

WO 03/082211

PCT/US03/09629

1/34

FIG.1A



FIG.1B

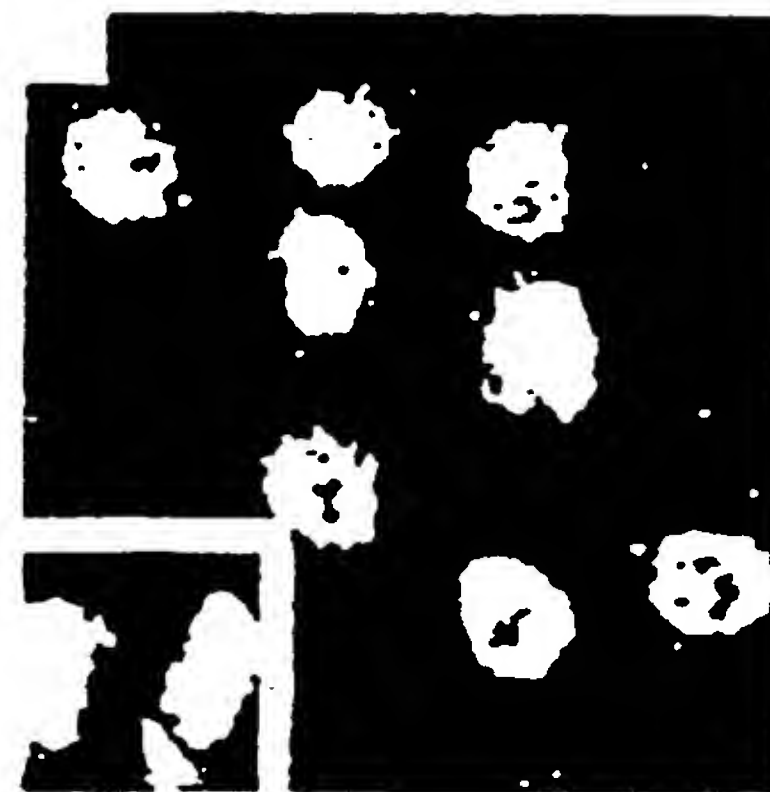


FIG.1C

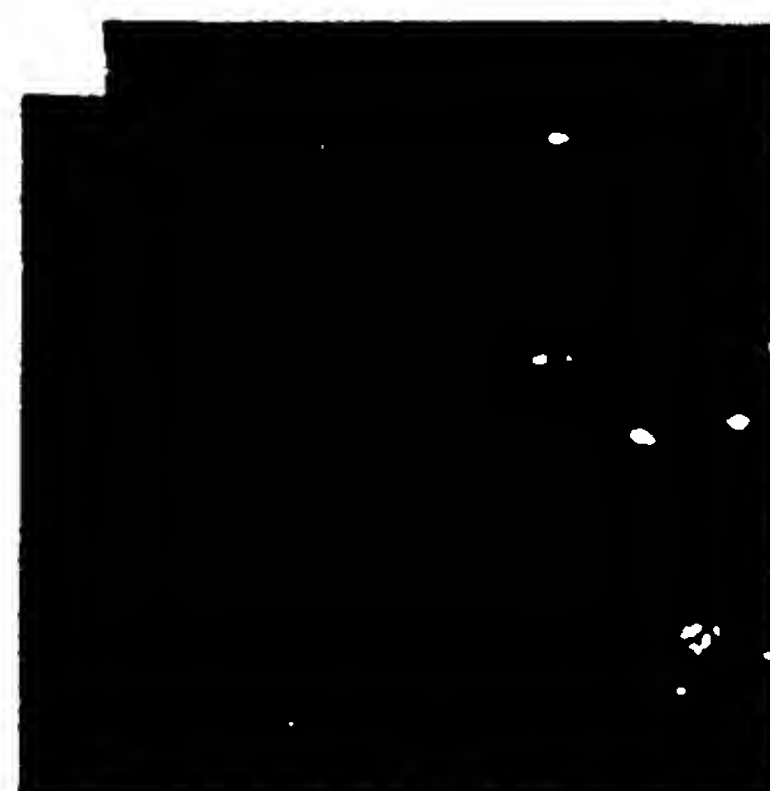
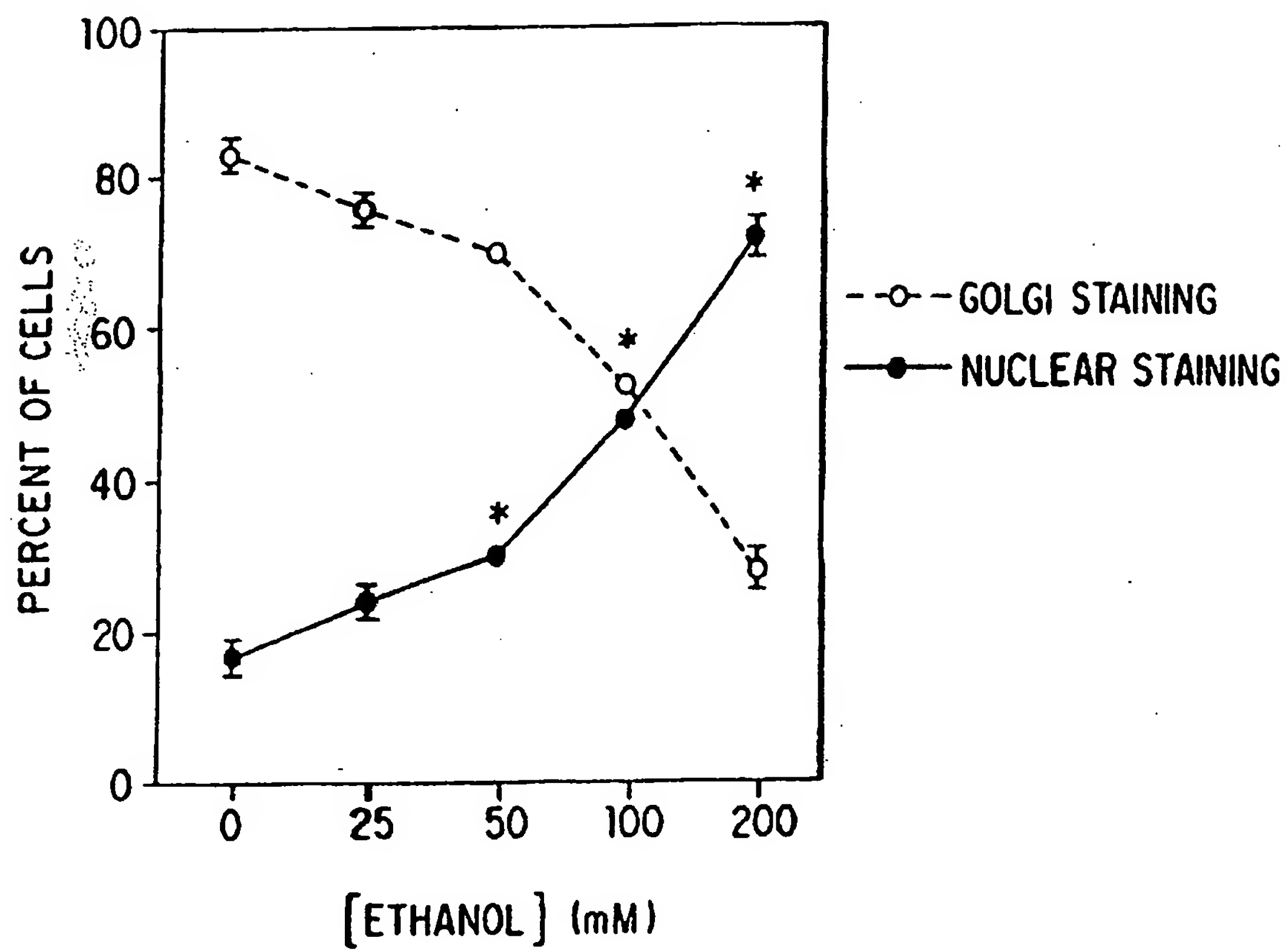


FIG.1D

2/34

*Fig. 2*

3/34

CONTROL



FIG.3A

ETHANOL



FIG.3B

PGE₁



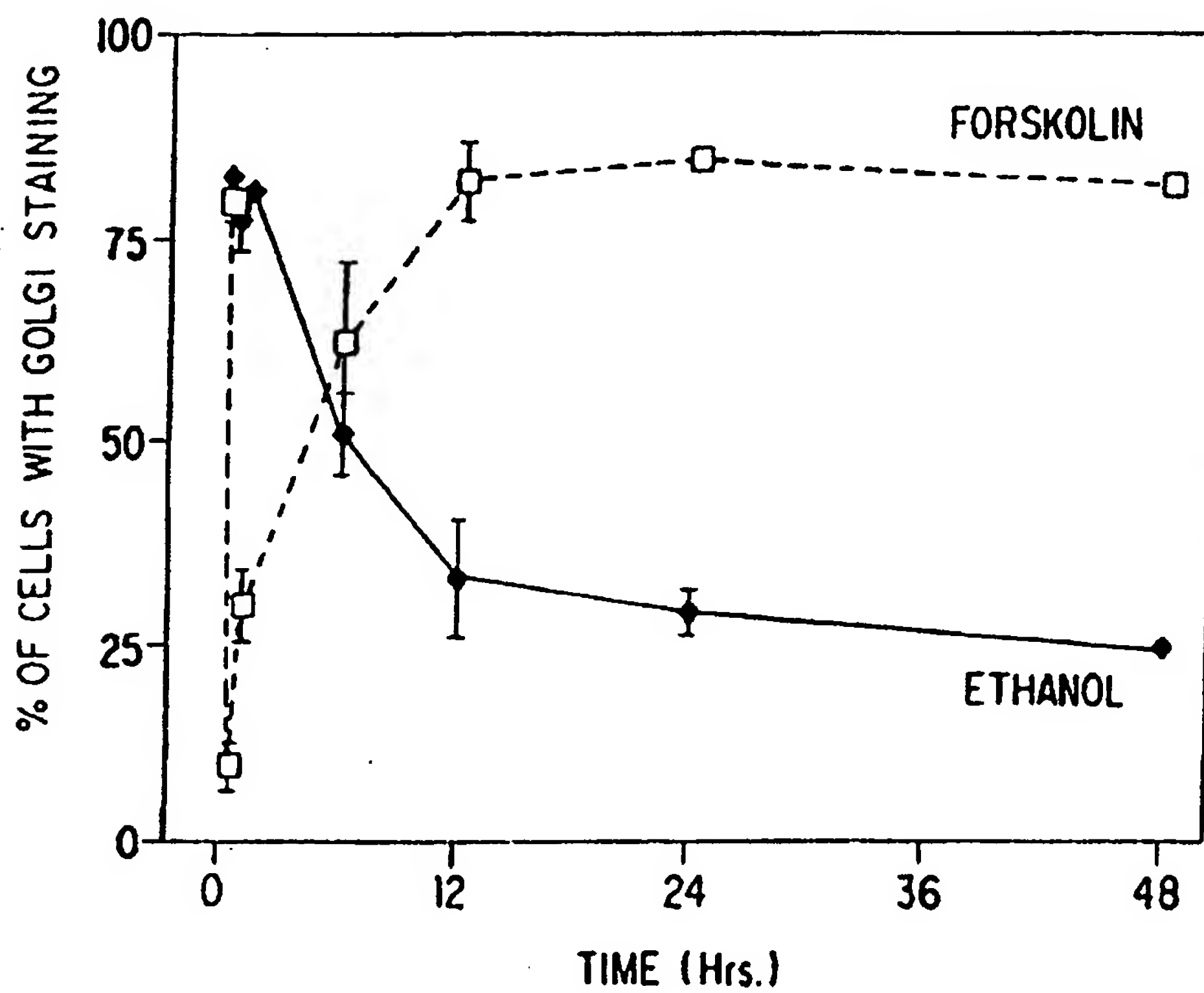
FIG.3C

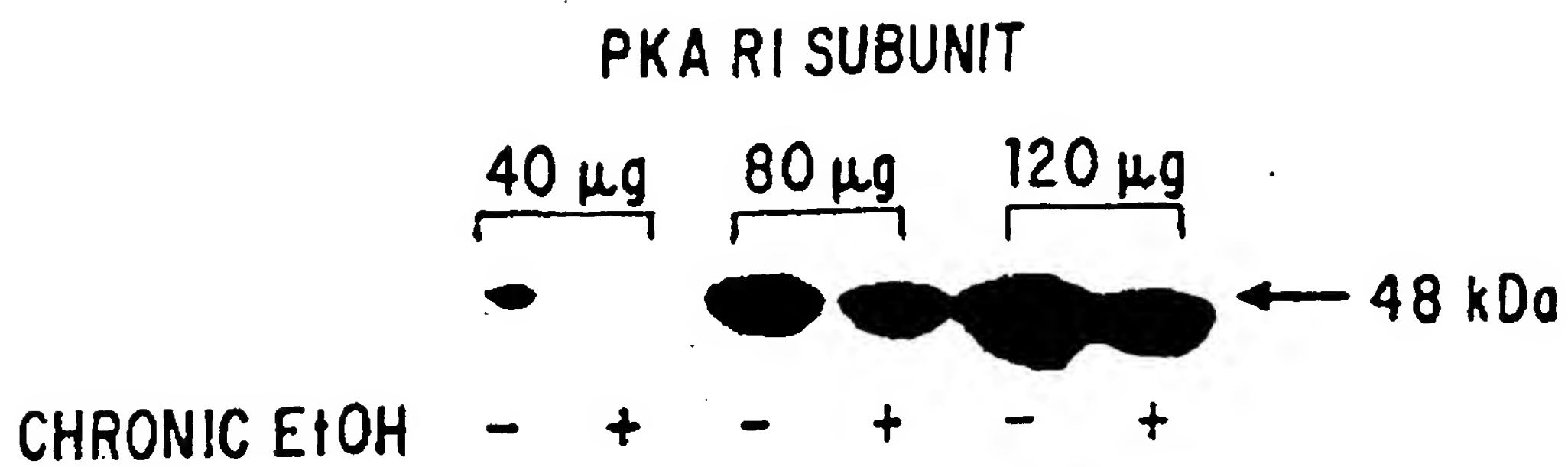
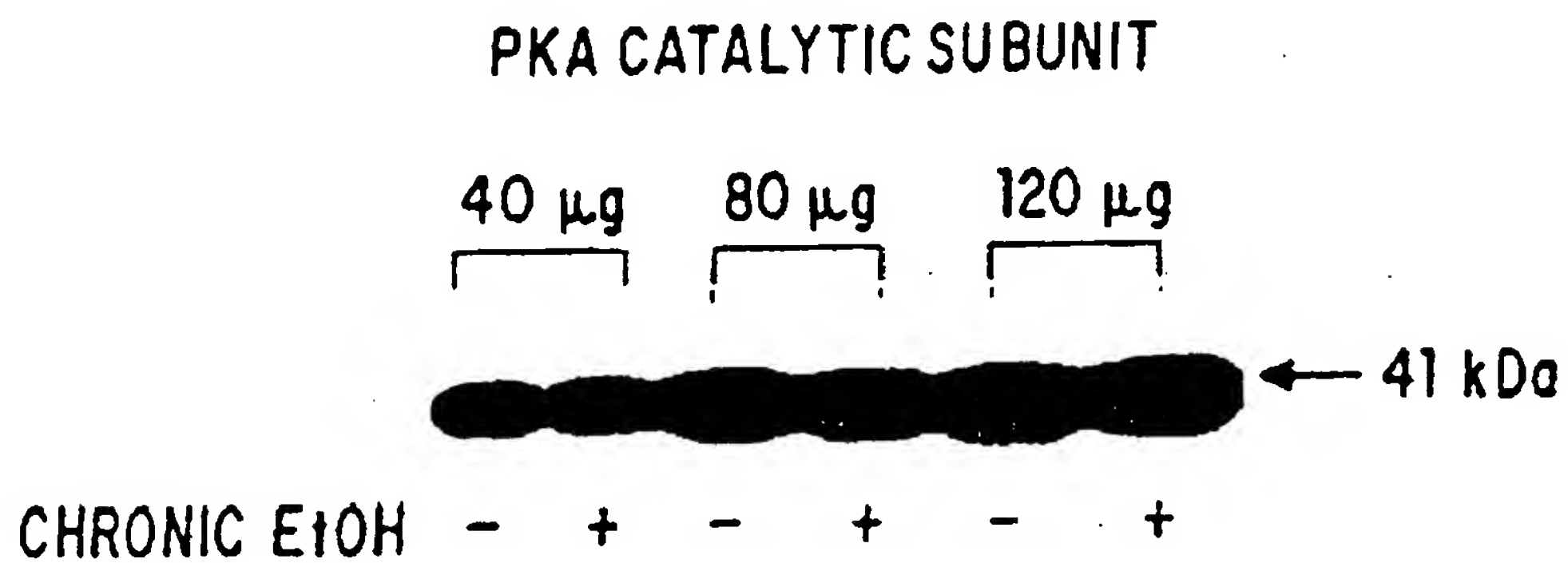
FORSKOLIN



FIG.3D

4/34

**Fig. 4**

5/34**Fig. 5A****Fig. 5B**

6/34

PKC δ

CONTROL



FIG.6A

EtOH
200 mM

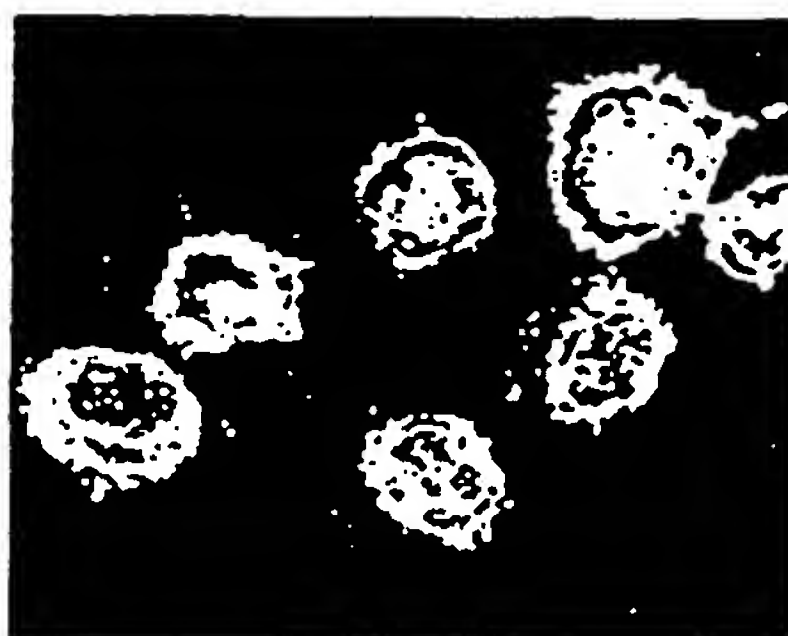


FIG.6B

PMA

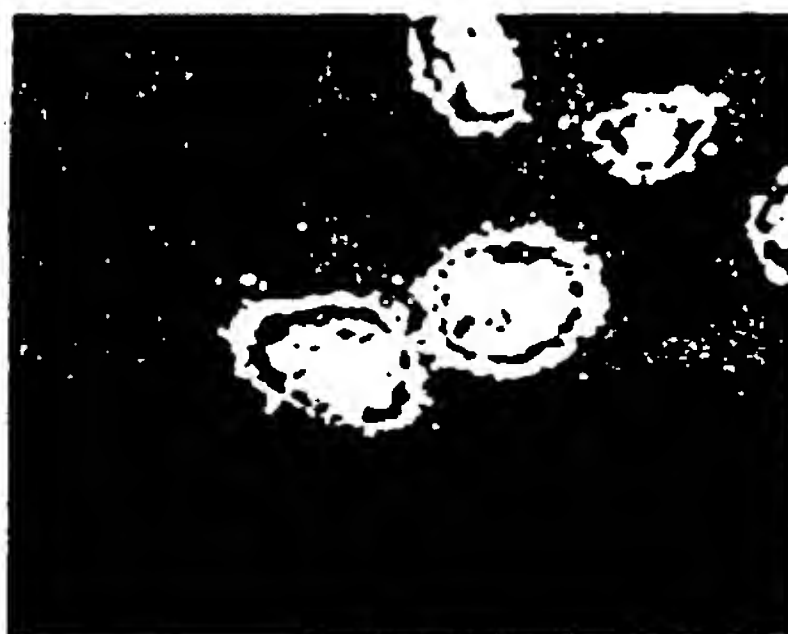


FIG.6C

7/34

PKC δ

CONTROL



FIG.7A

EtOH
25 mM



FIG.7B

Pre.



FIG.7C

8/34

PKC ϵ

CONTROL

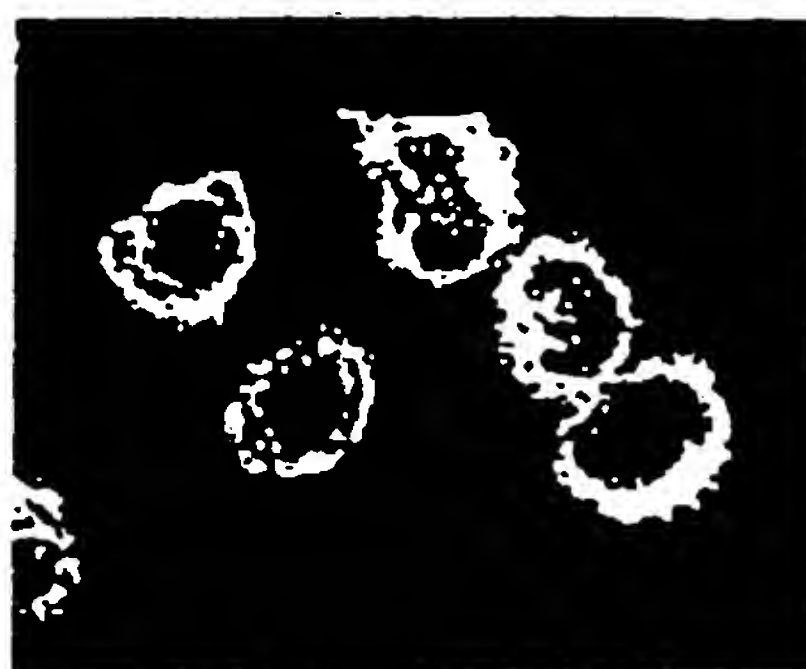


FIG.8A

EtOH
200 mM



FIG.8B

PMA

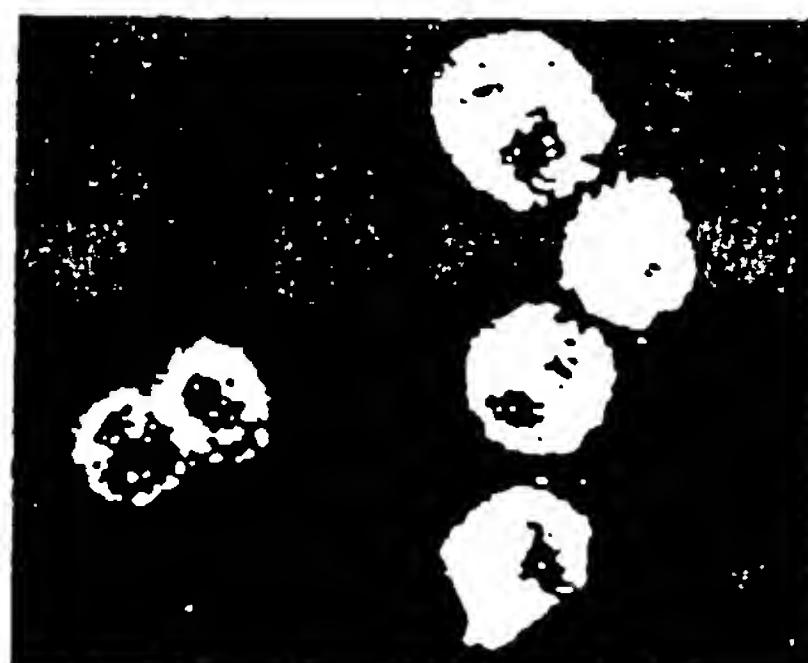


FIG.8C

9/34

PKC ϵ

CONTROL



FIG.9A

EtOH
25 mM



FIG.9B

Pre.

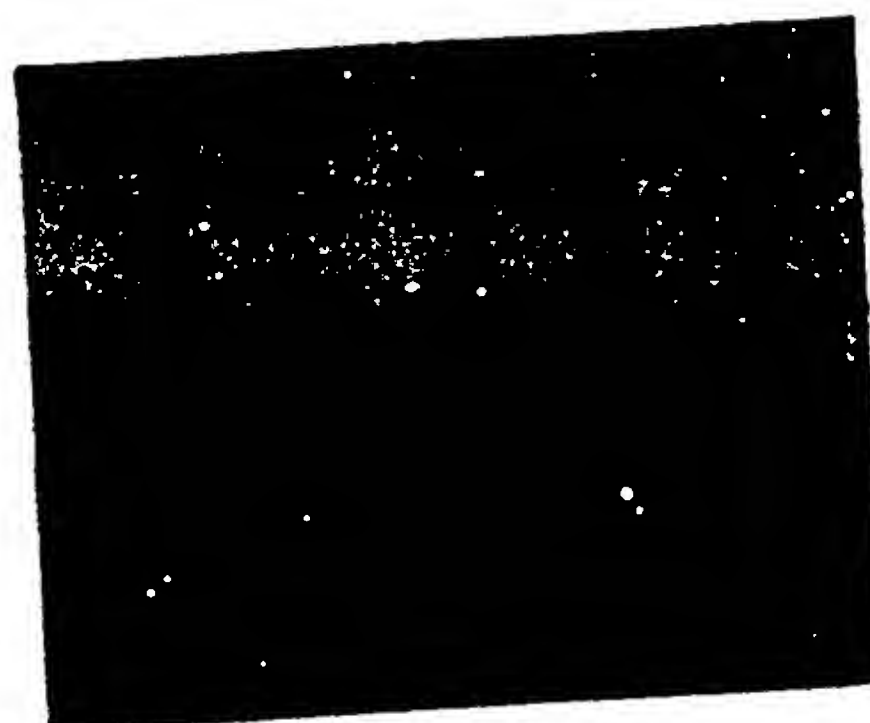


FIG.9C

10/34



Control

FIG. 10A



Alcoholic

FIG. 10B



Control + EtOH

FIG. 10C



Alcoholic + EtOH

FIG. 10D

11/34

Normal control
PKA Cat. α mainly cytoplasm



Fig. 11A

Alcoholic
PKA Cat. α is mainly in the nucleus

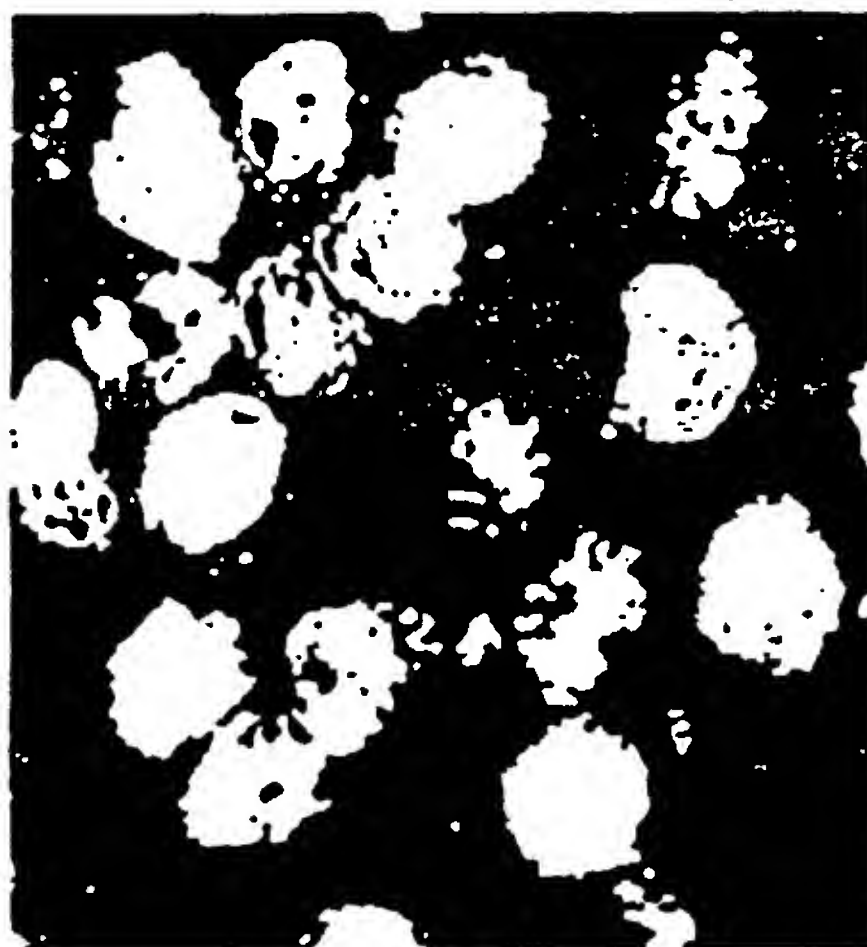
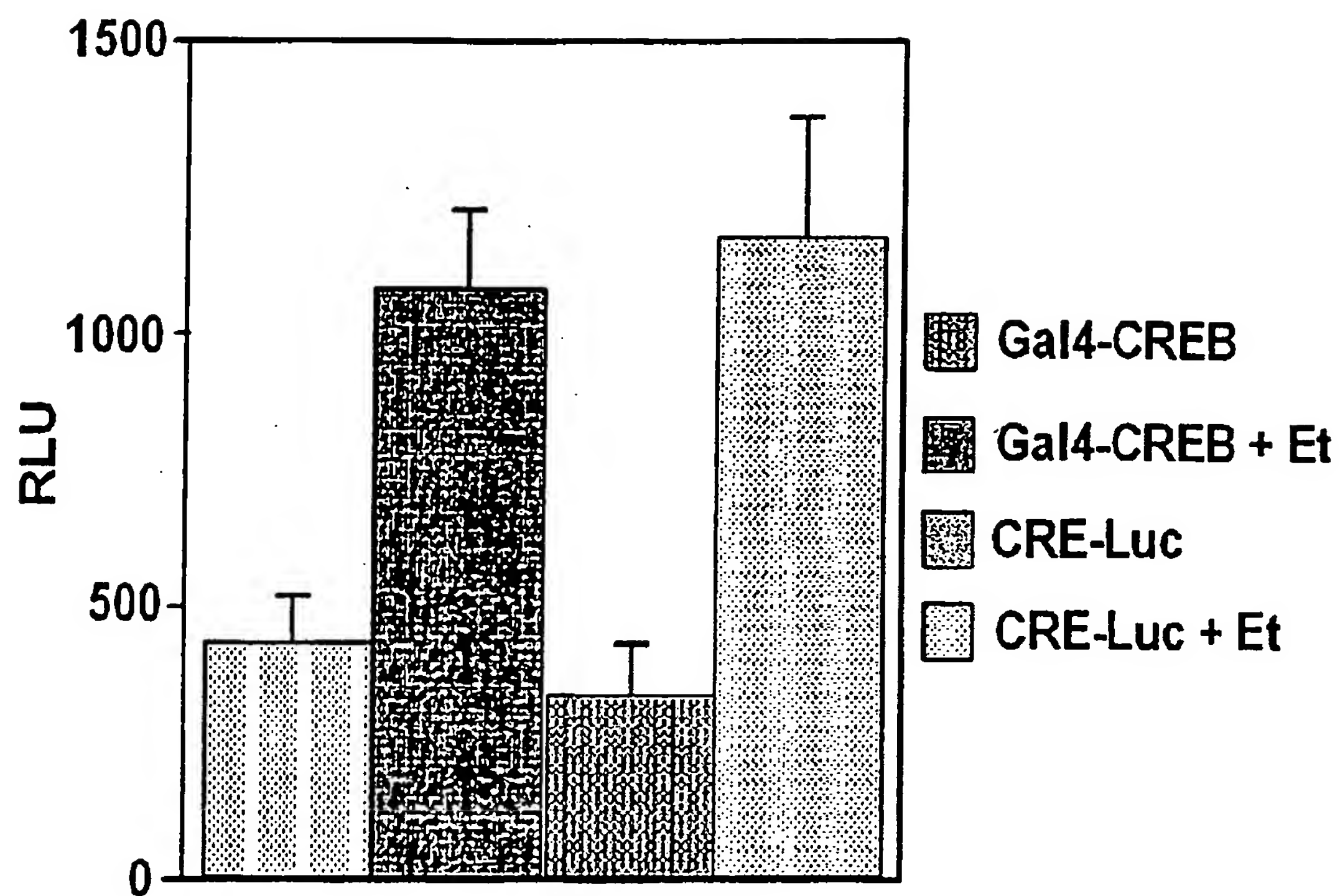
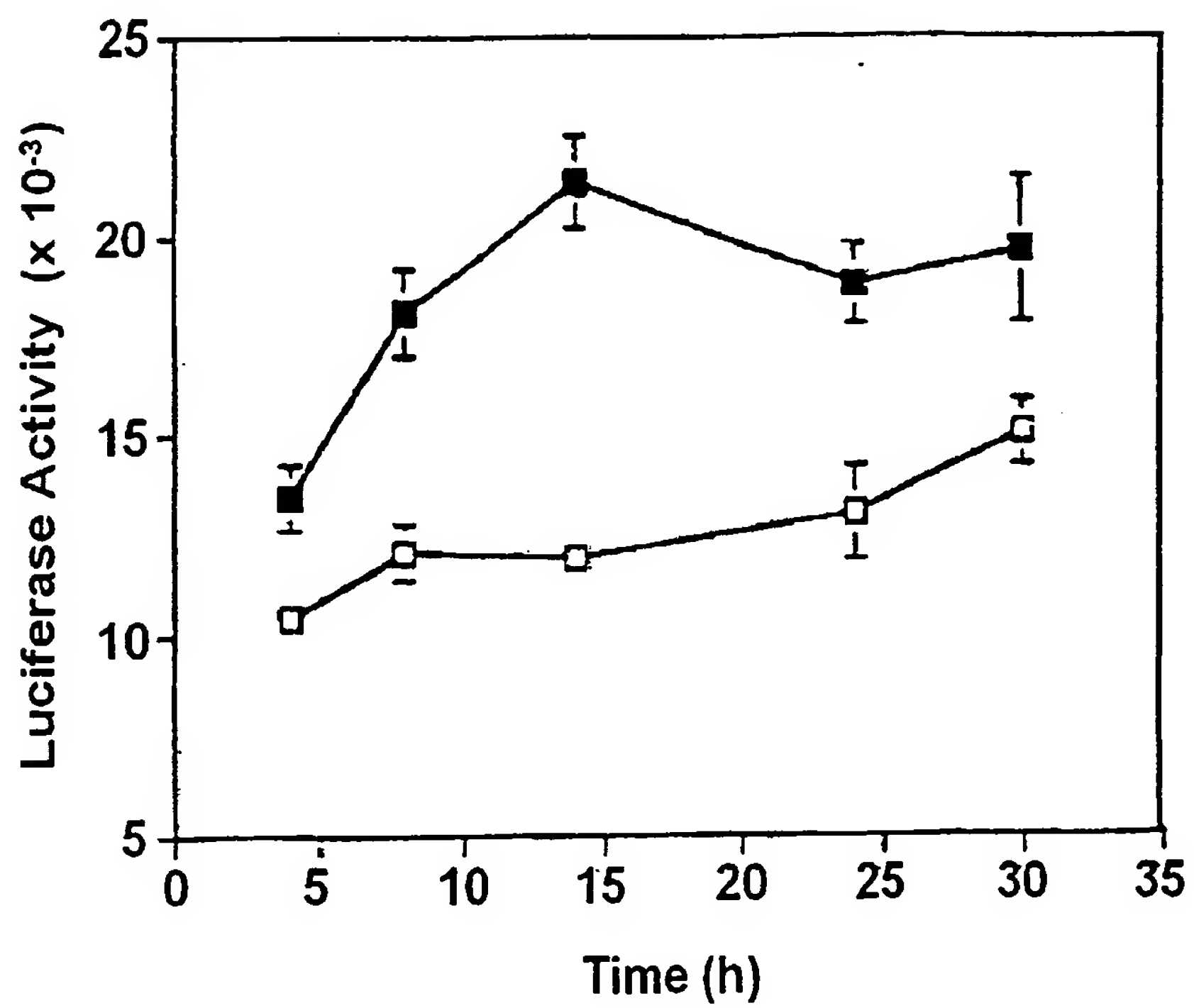


Fig. 11B

12/34

*Fig. 12*

13/34**Fig. 13**

14/34

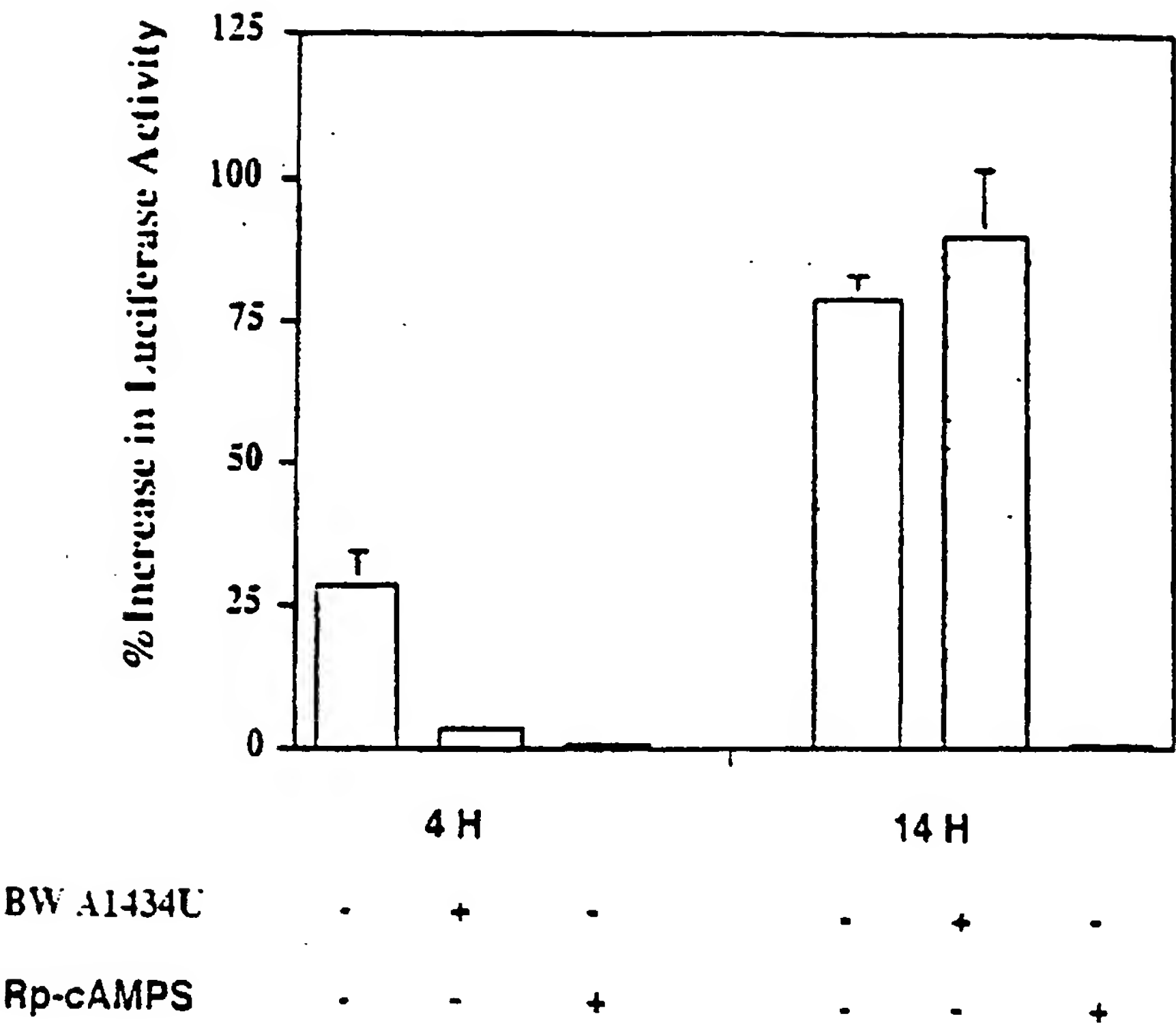


Fig. 14

15/34

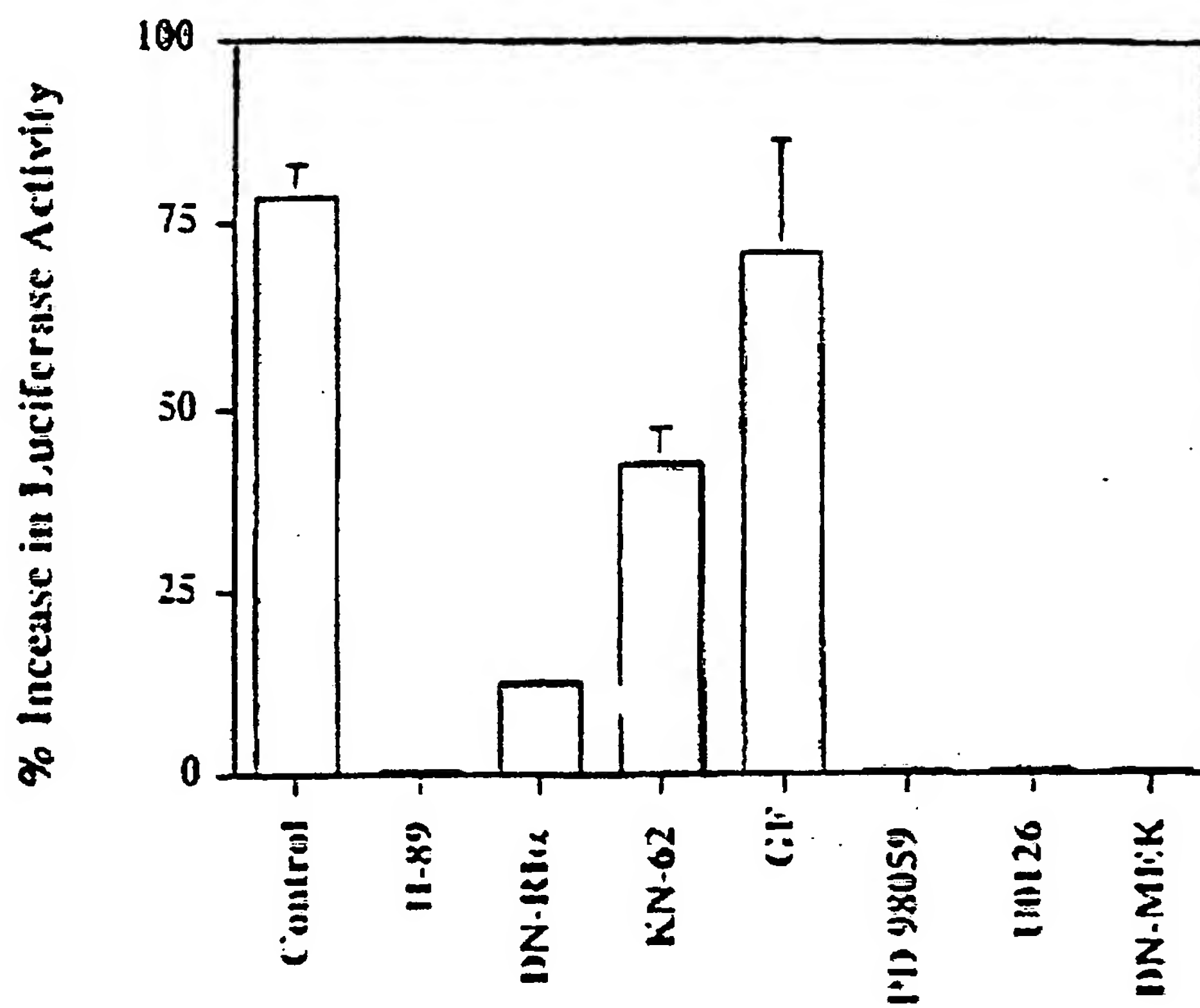
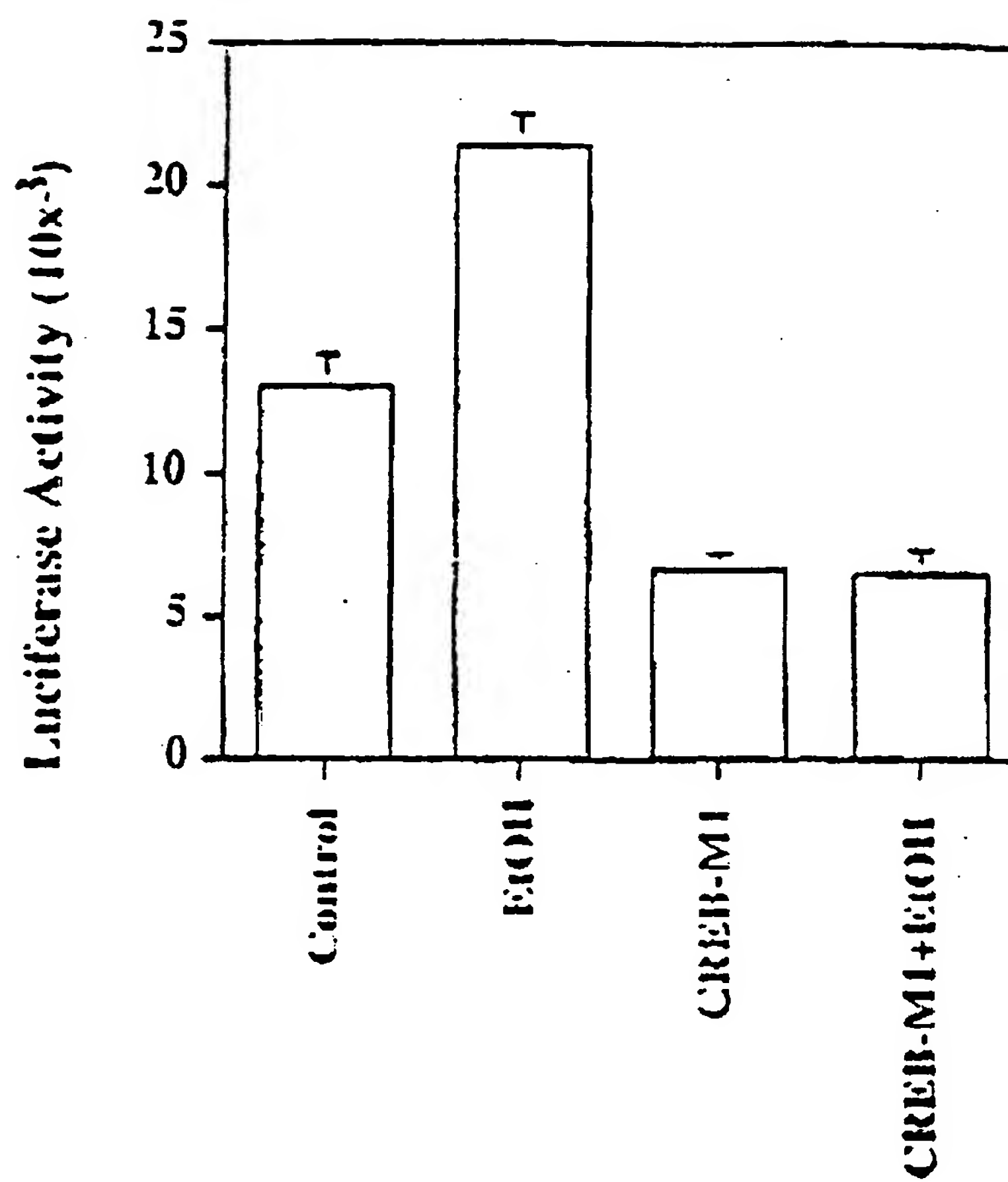
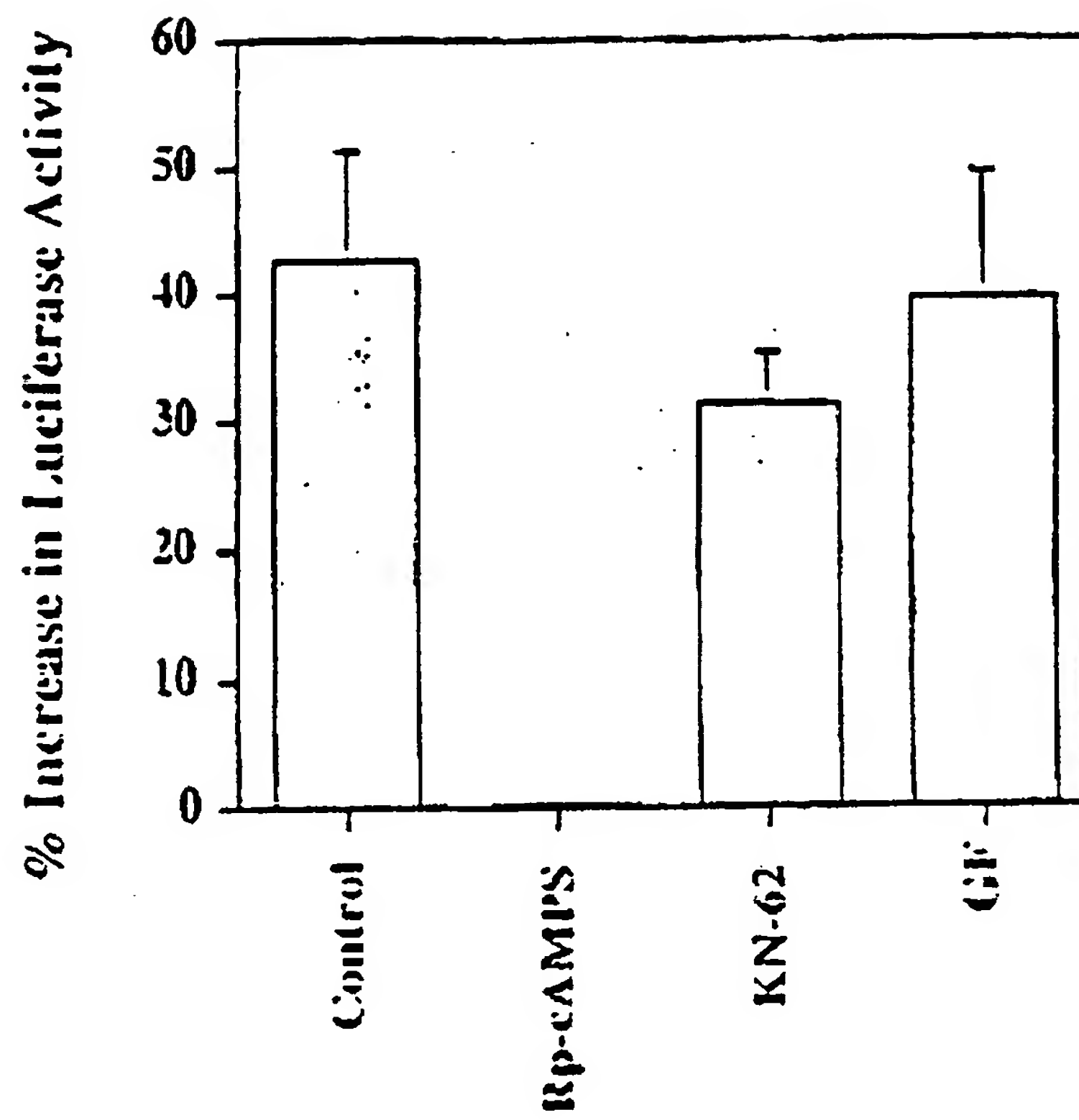


Fig. 15

16/34

*Fig. 16A*

17/34

*Fig. 16B*

18/34

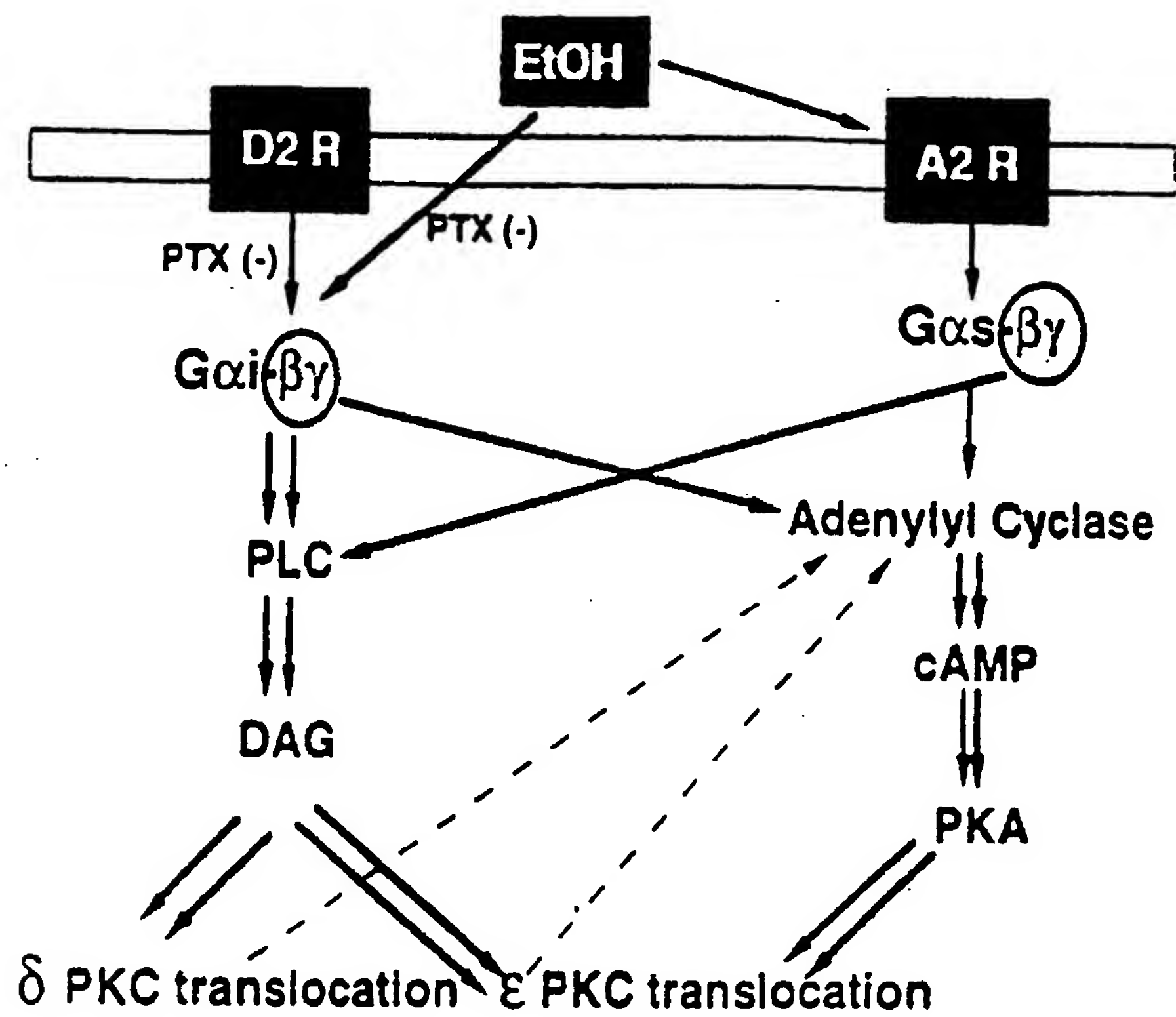
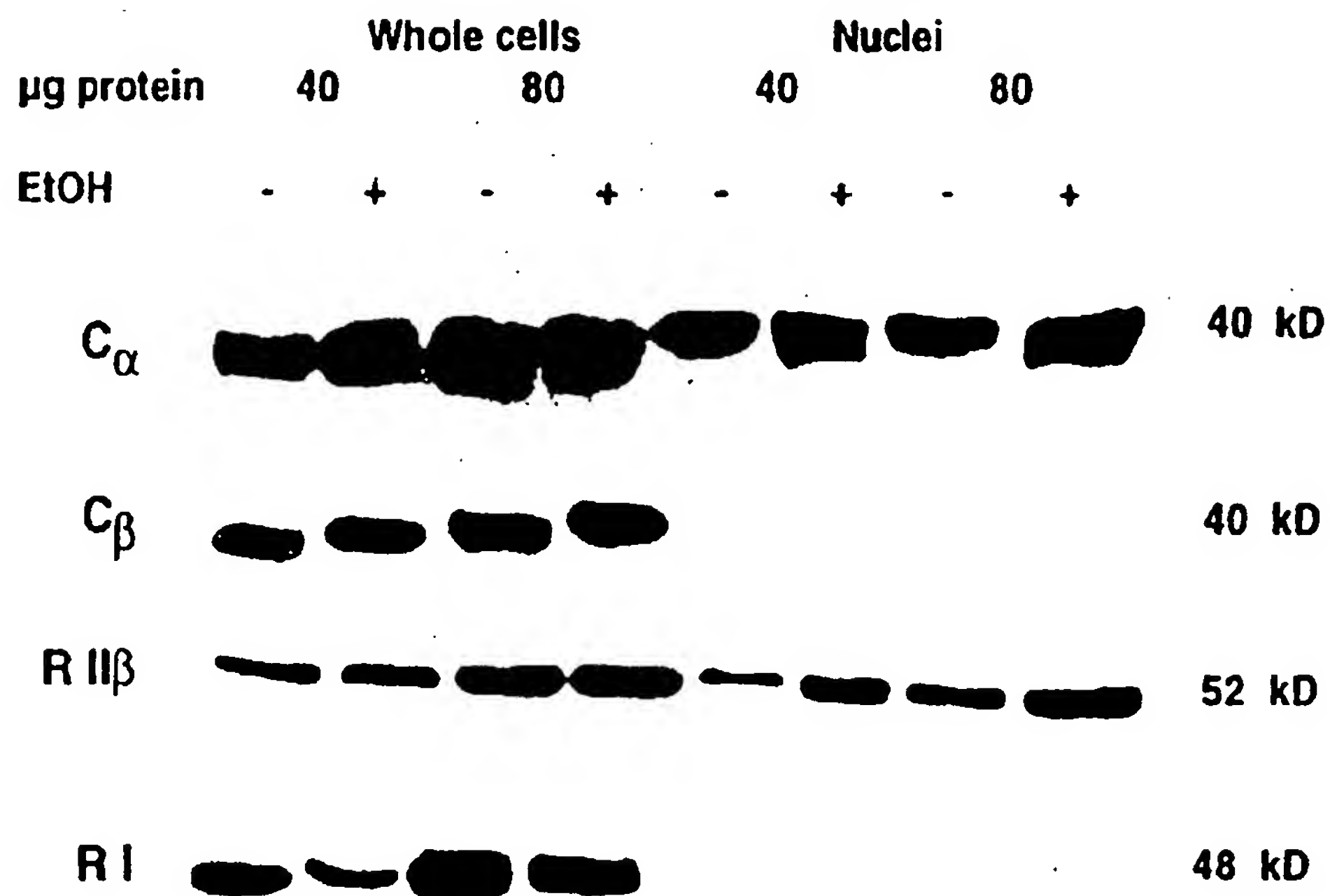


Fig. 17

19/34

**Fig. 18**

20/34

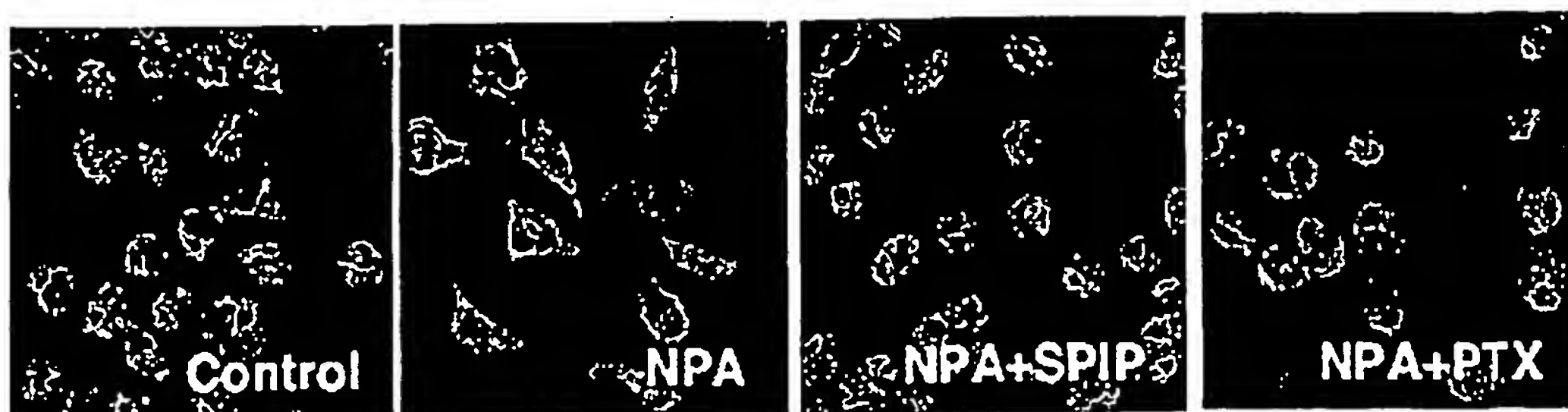


Fig. 19A

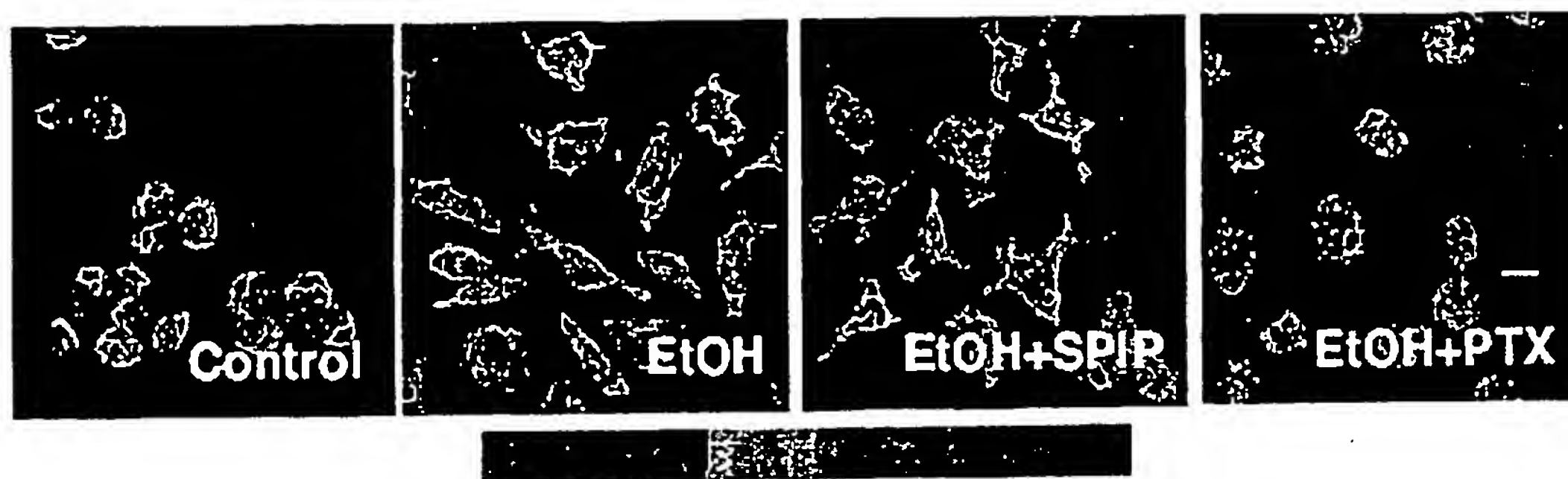
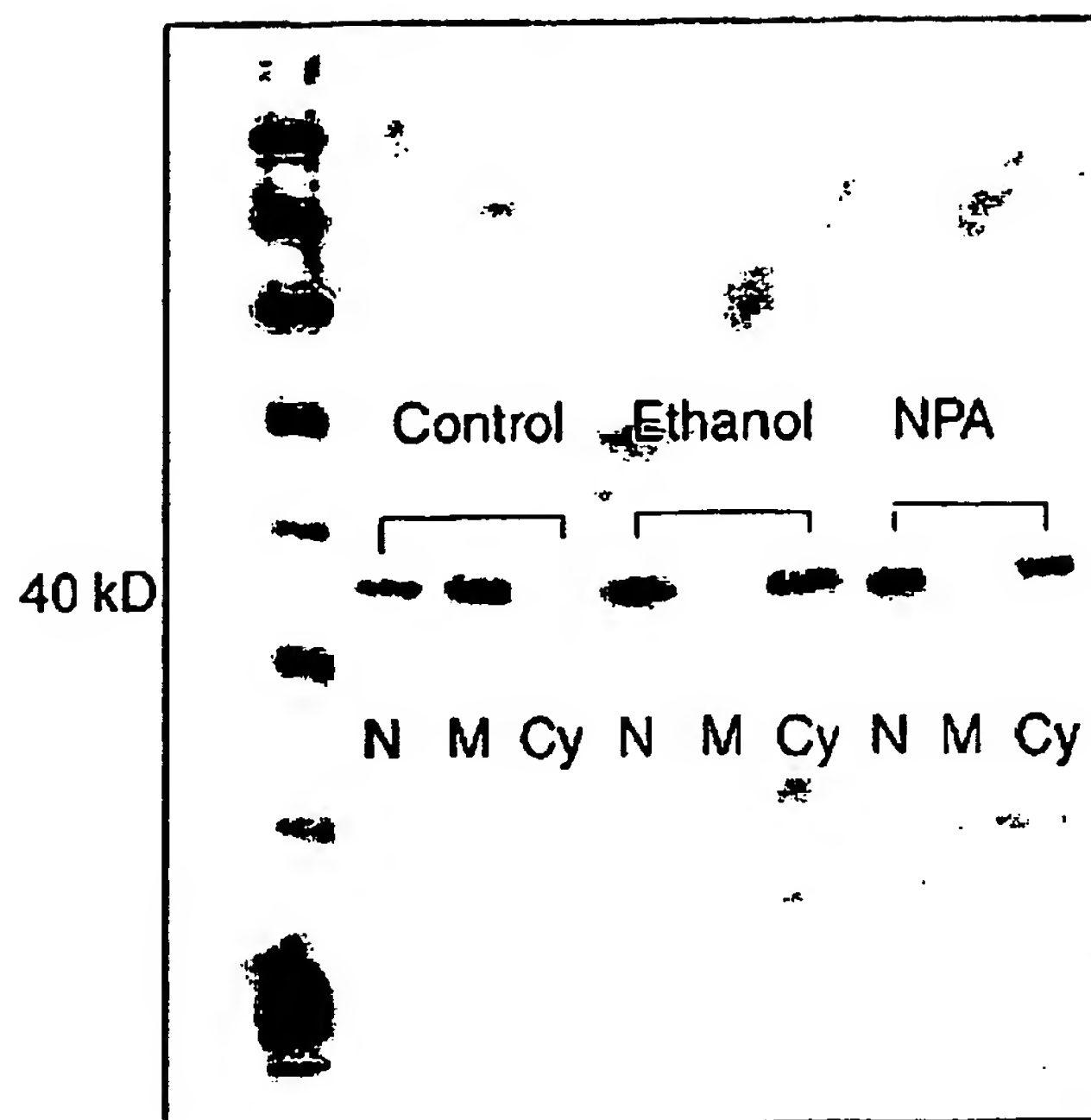
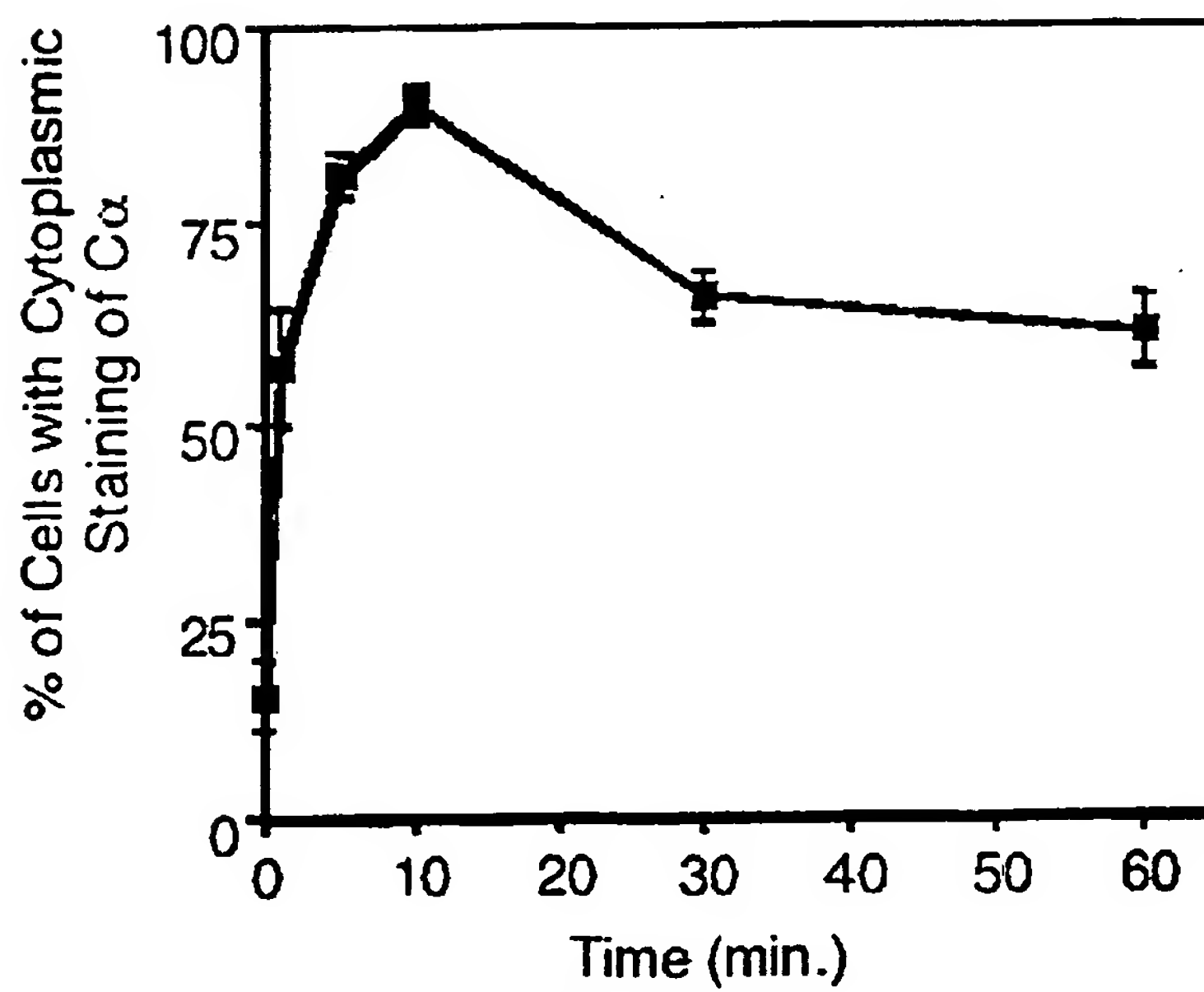
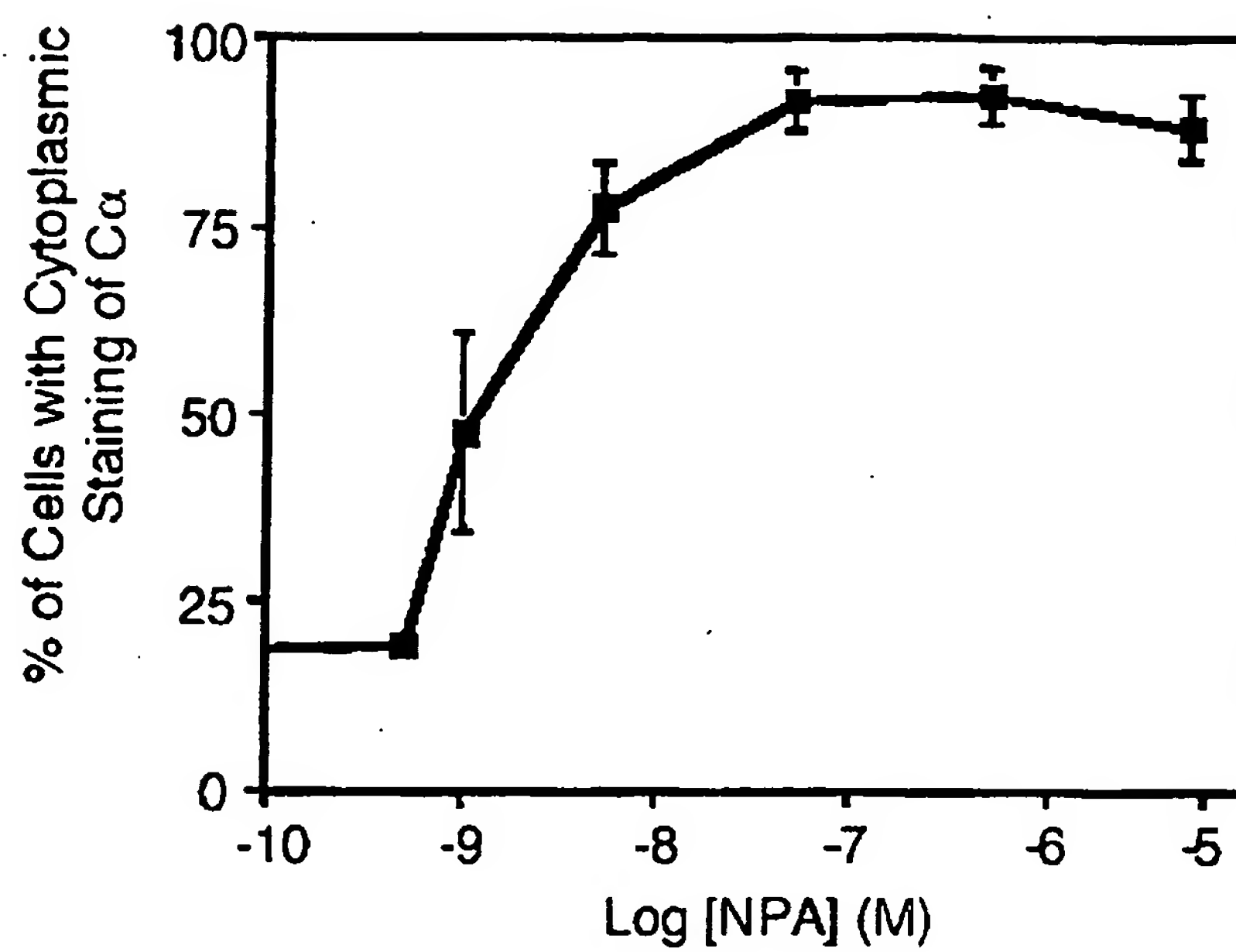


Fig. 19B

21/34**Fig. 19C****Fig. 19D**

22/34**Fig. 19E**

23/34

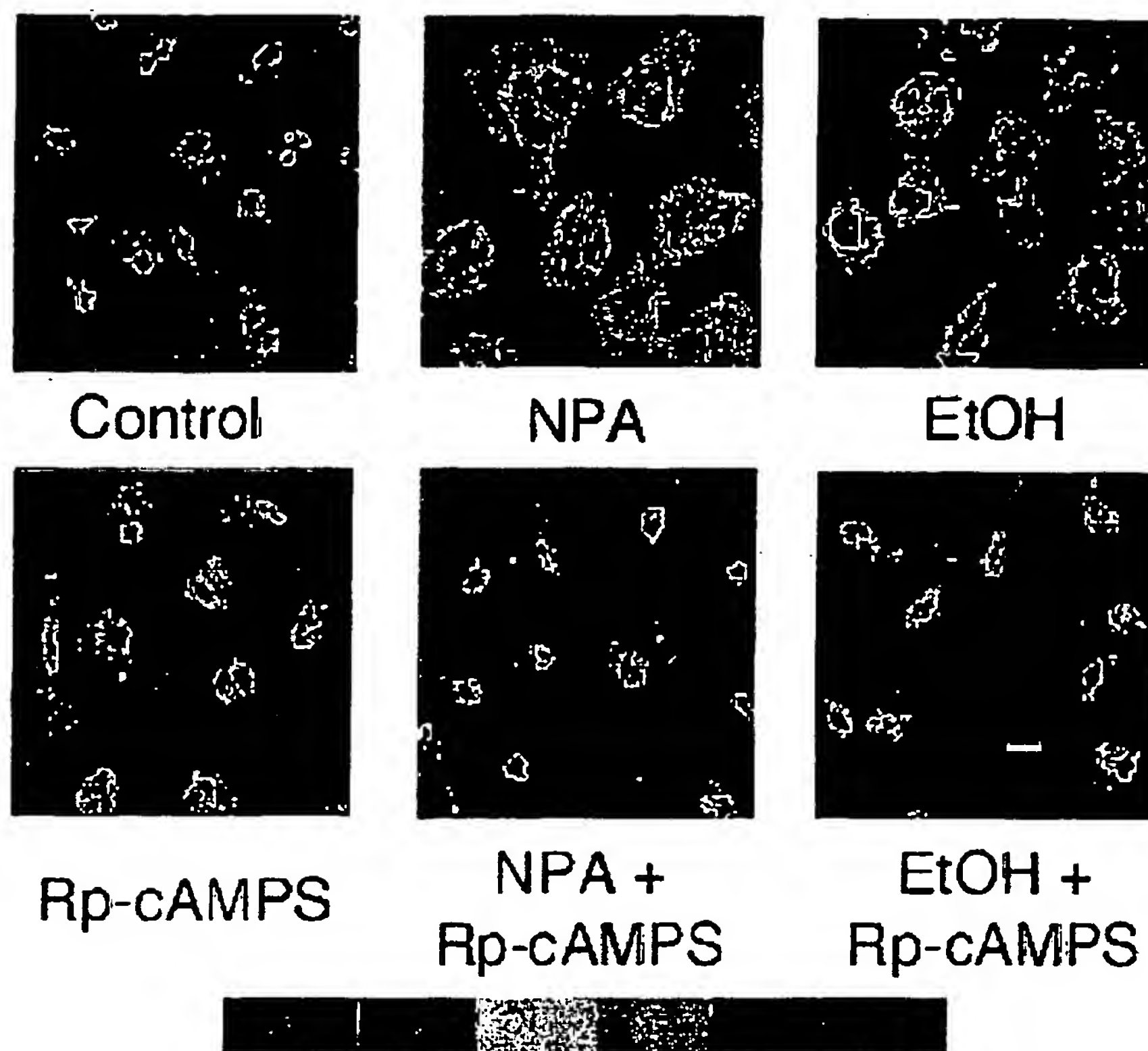
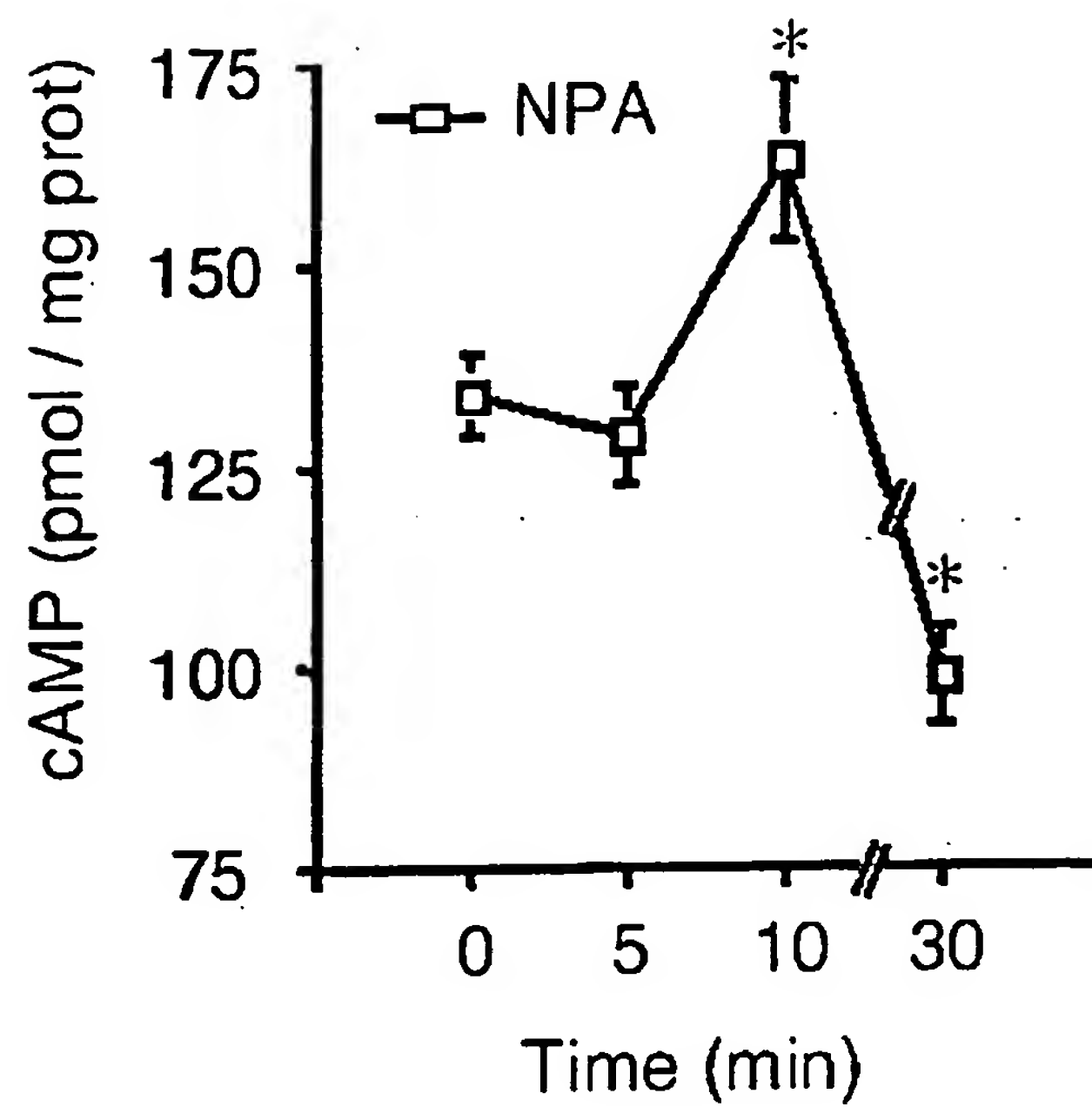
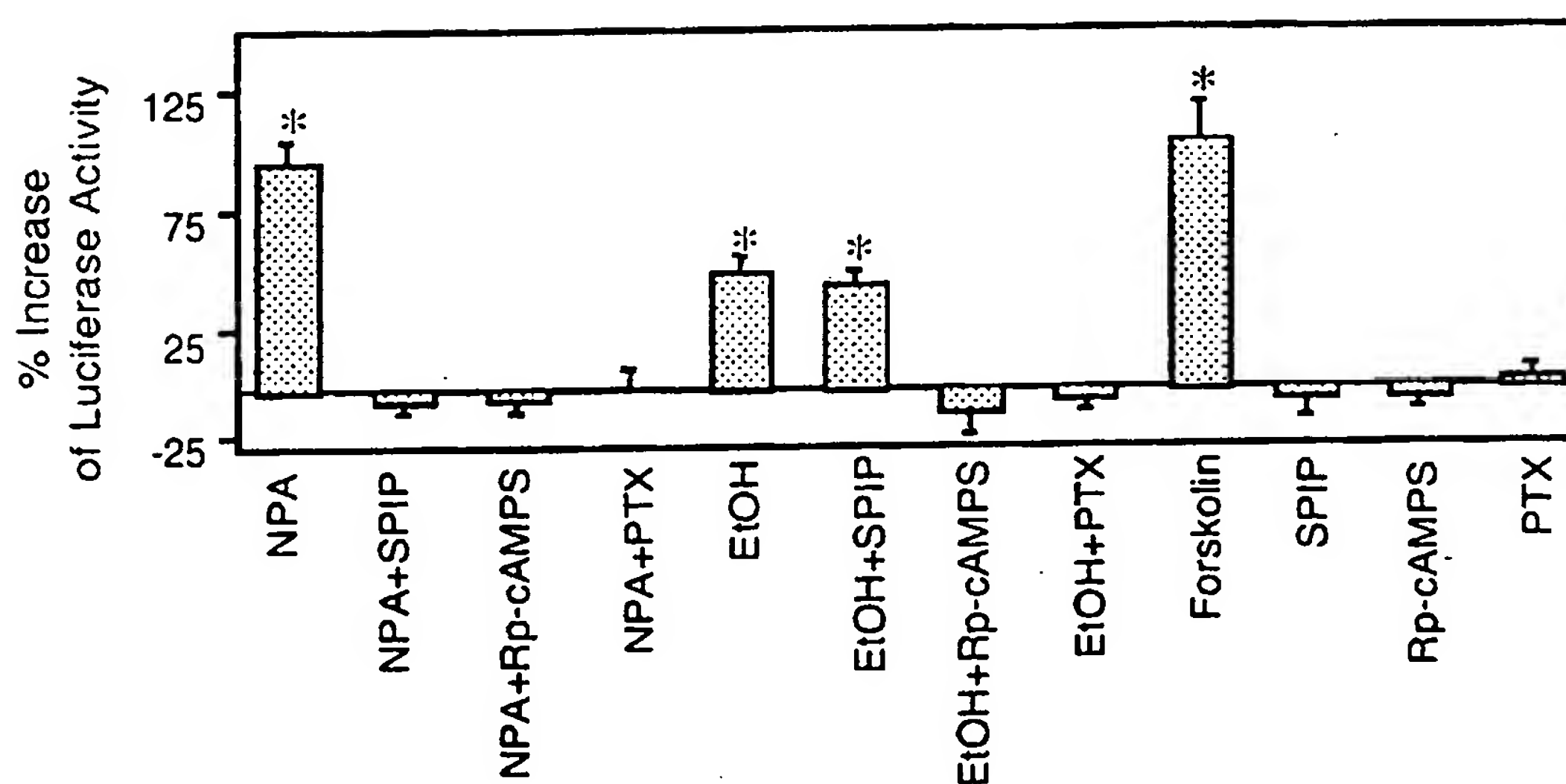


Fig. 20A

24/34**Fig. 20B****Fig. 20C**

25/34

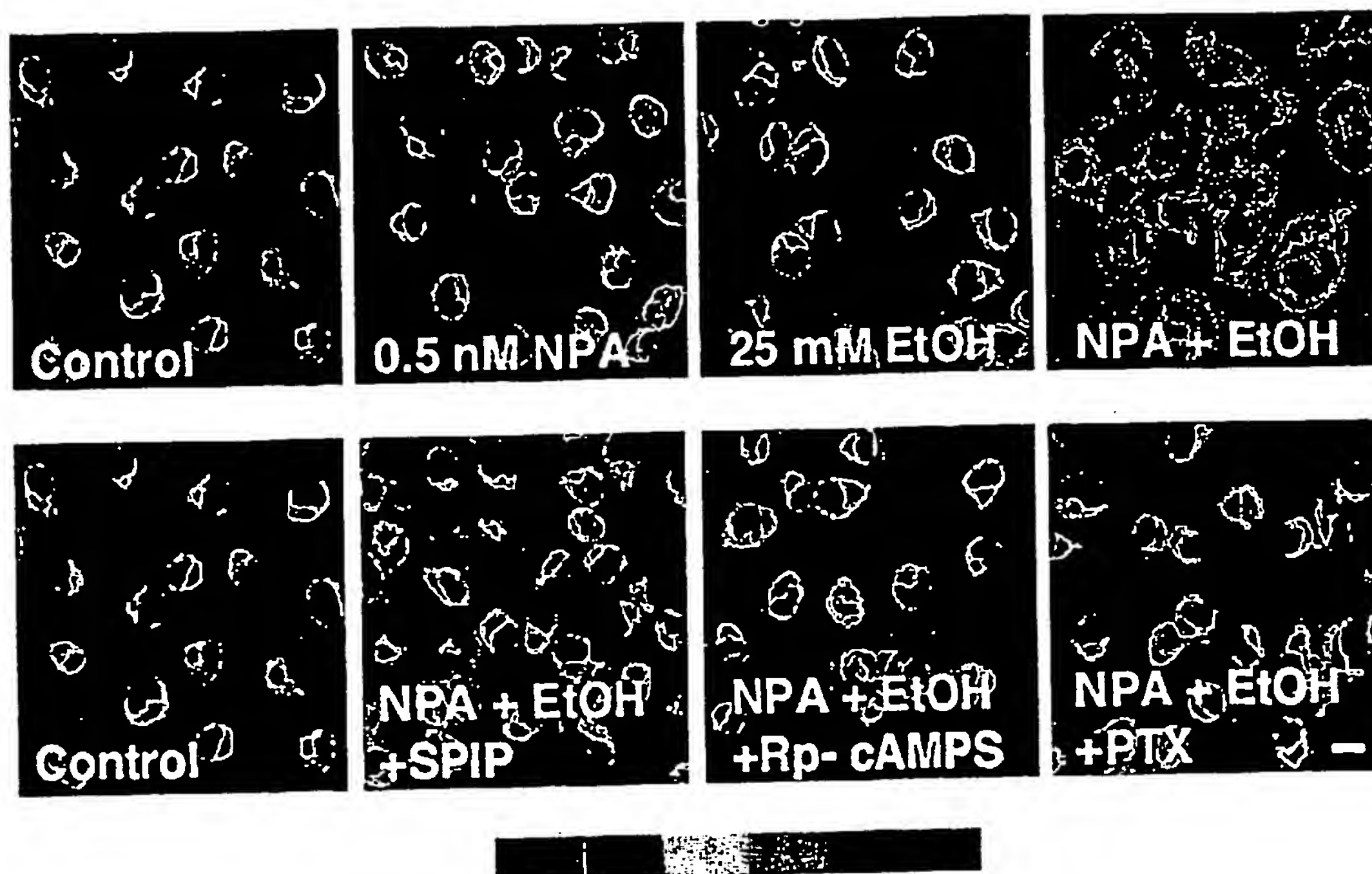
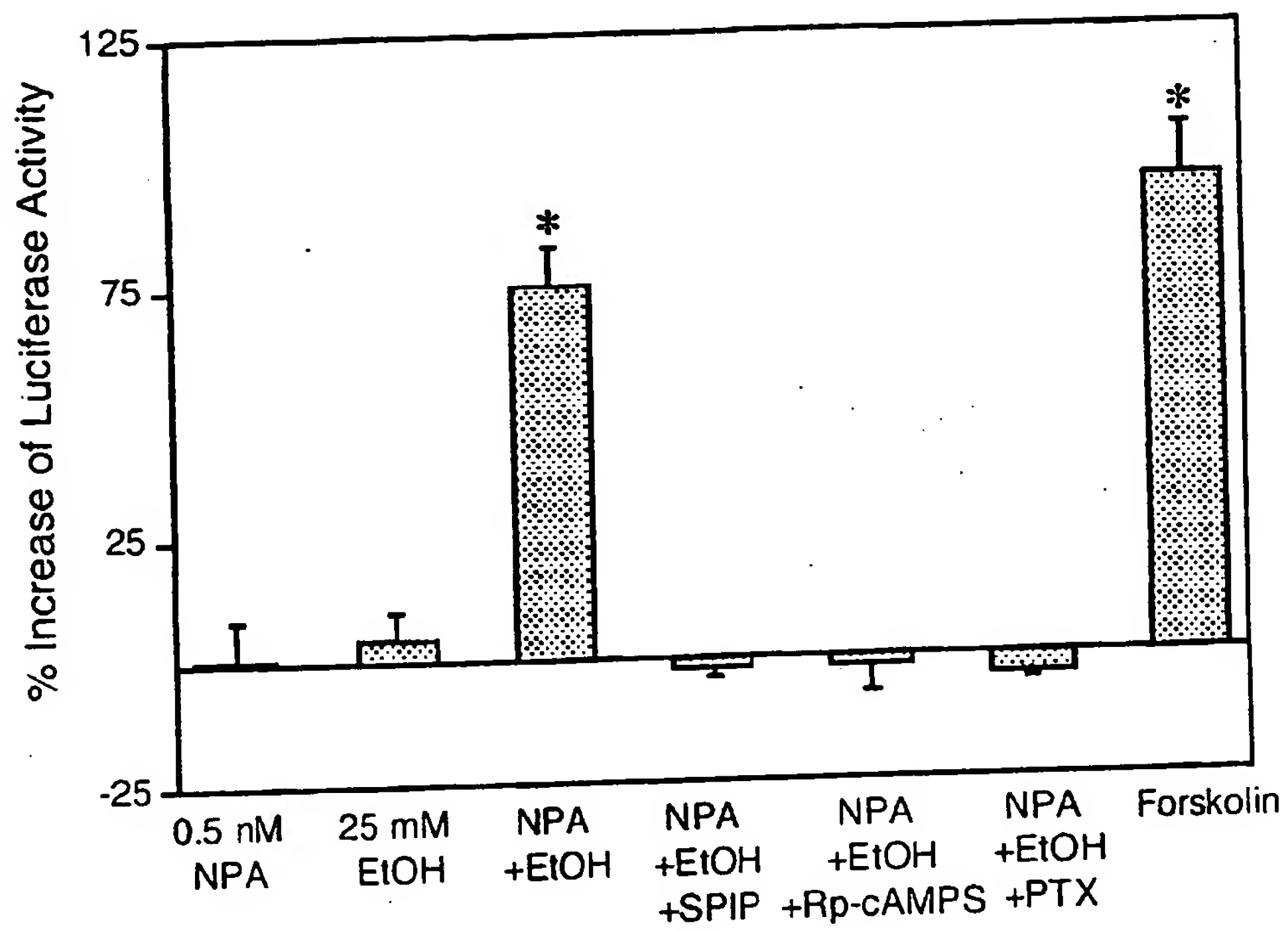
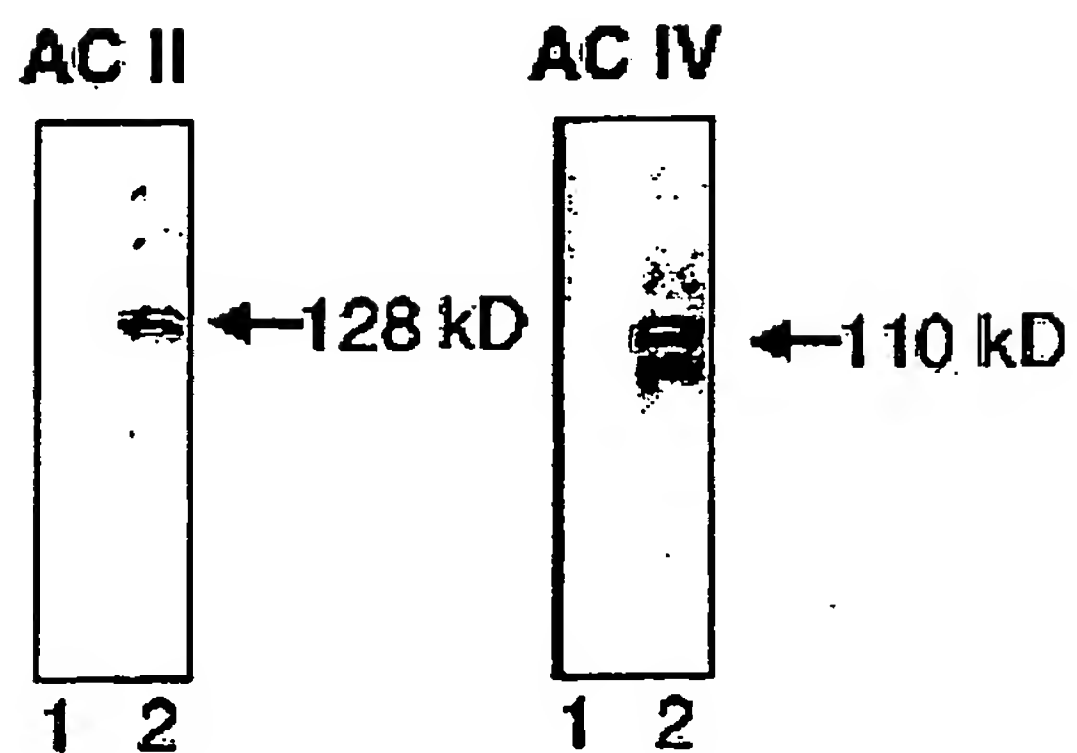
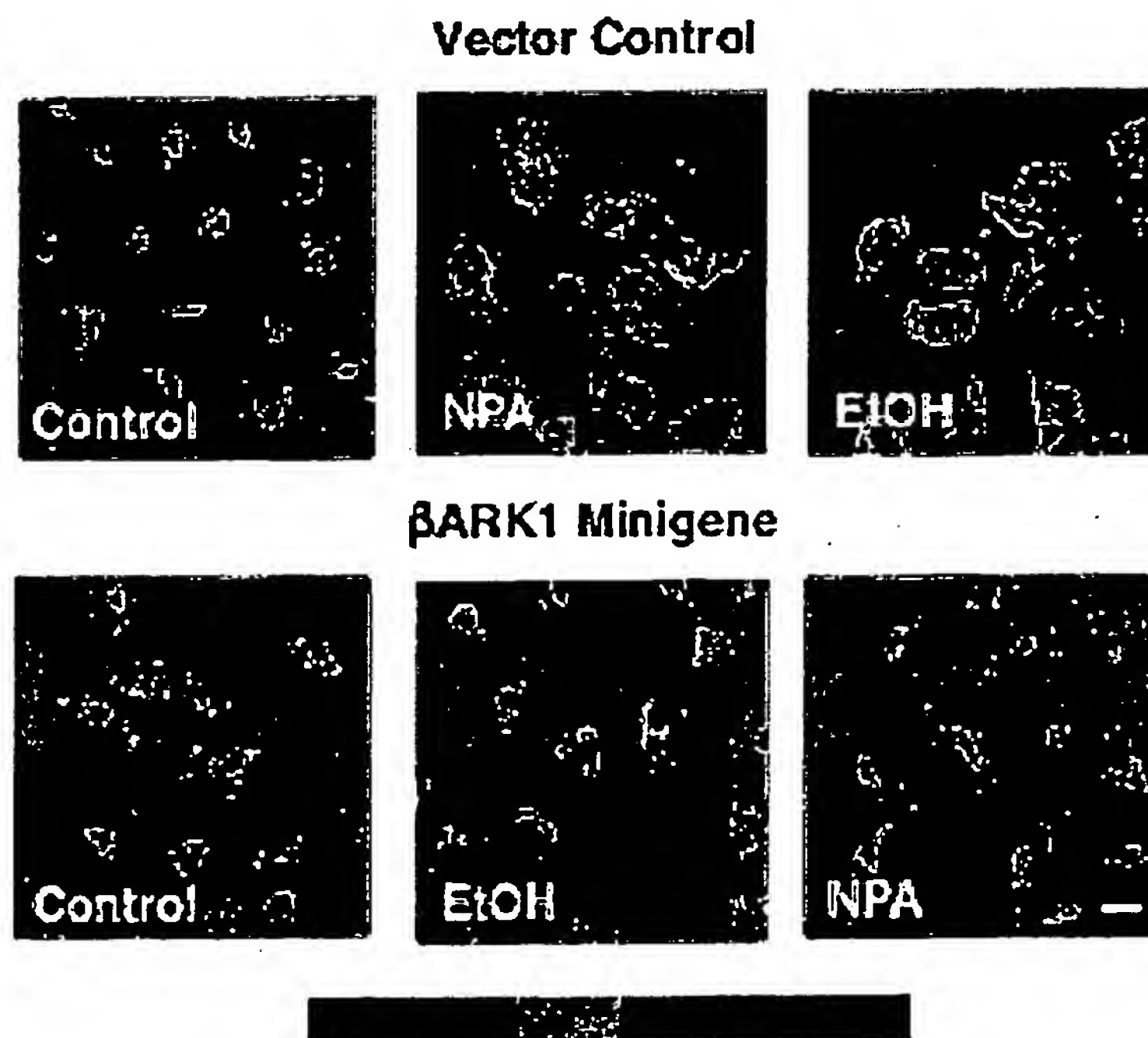
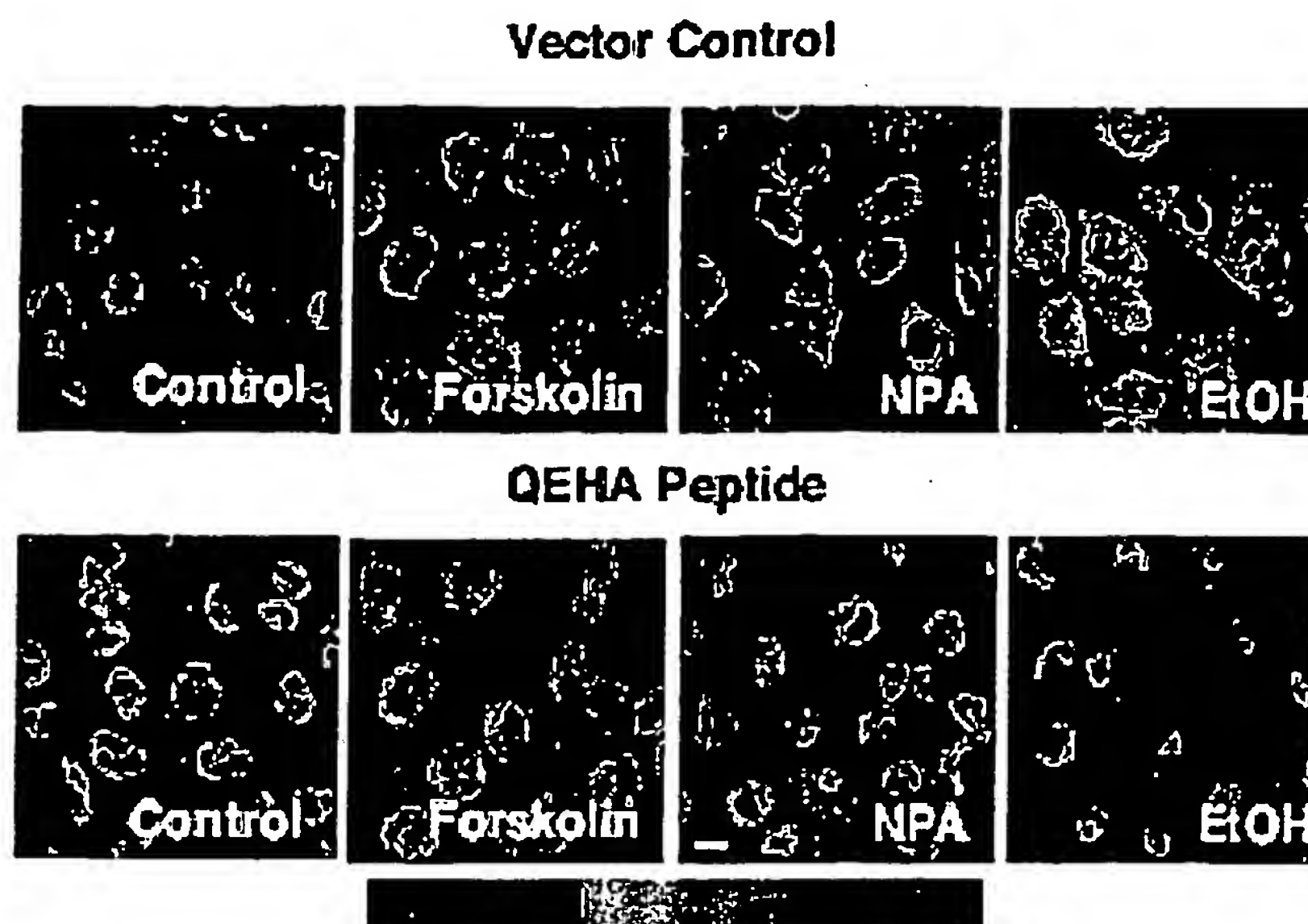
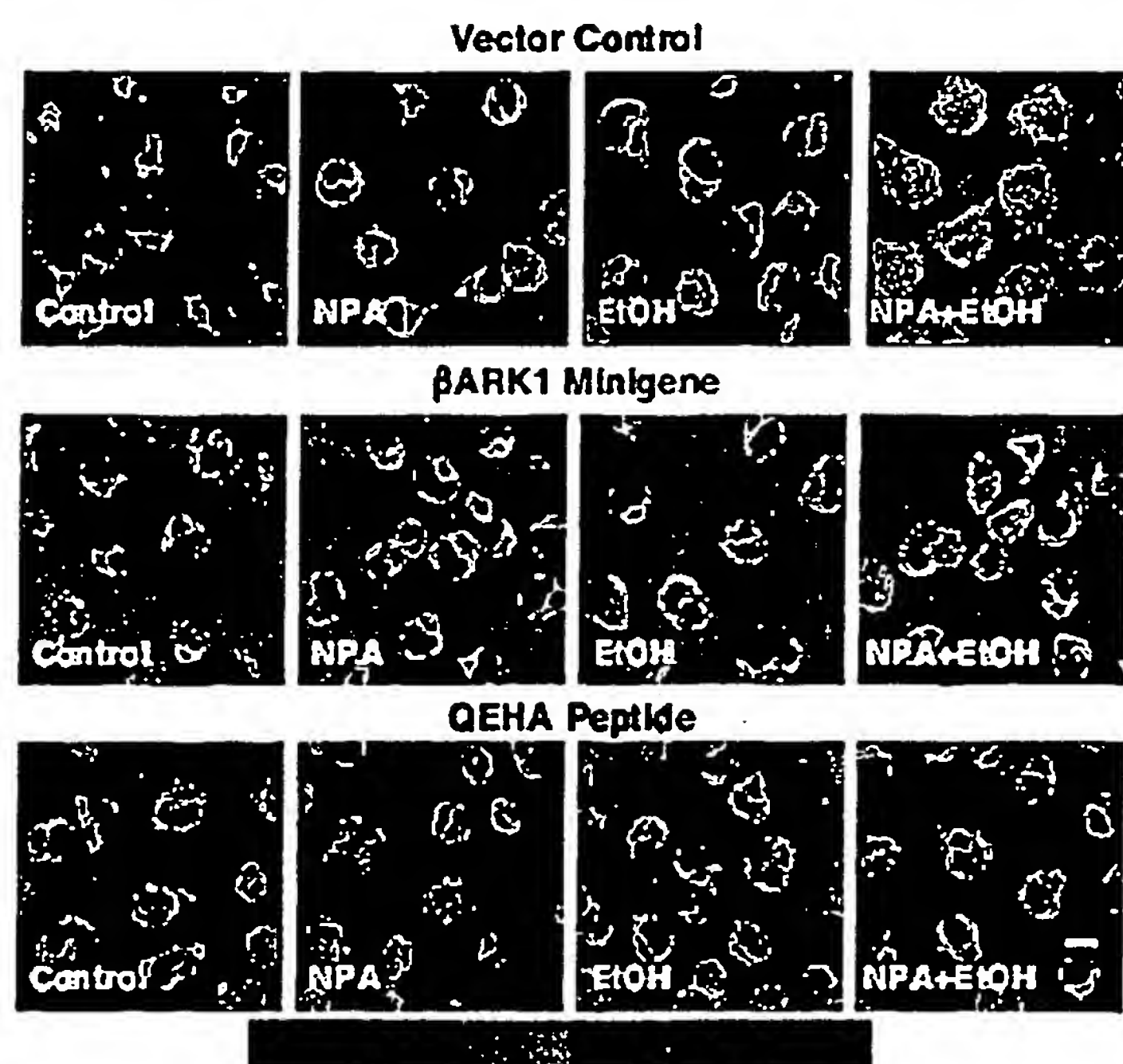


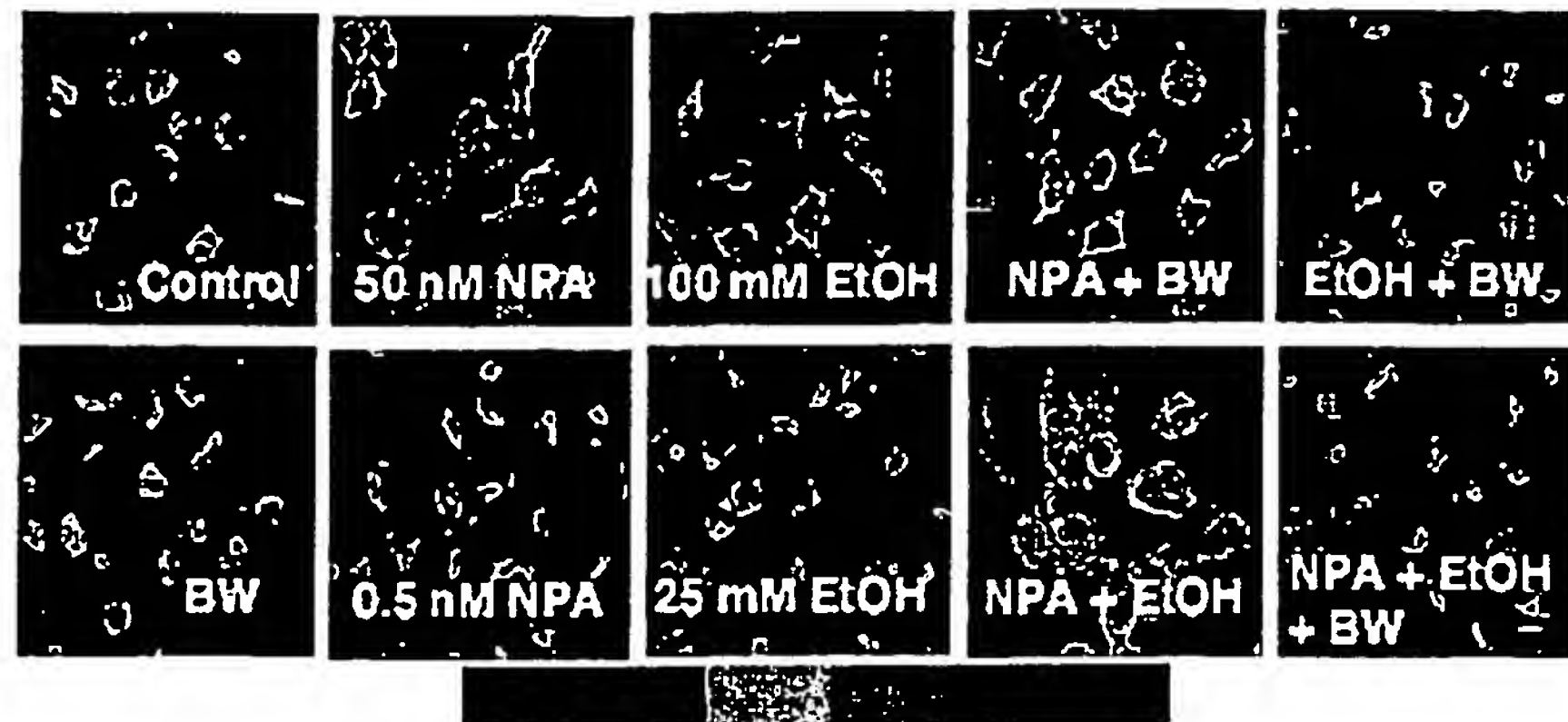
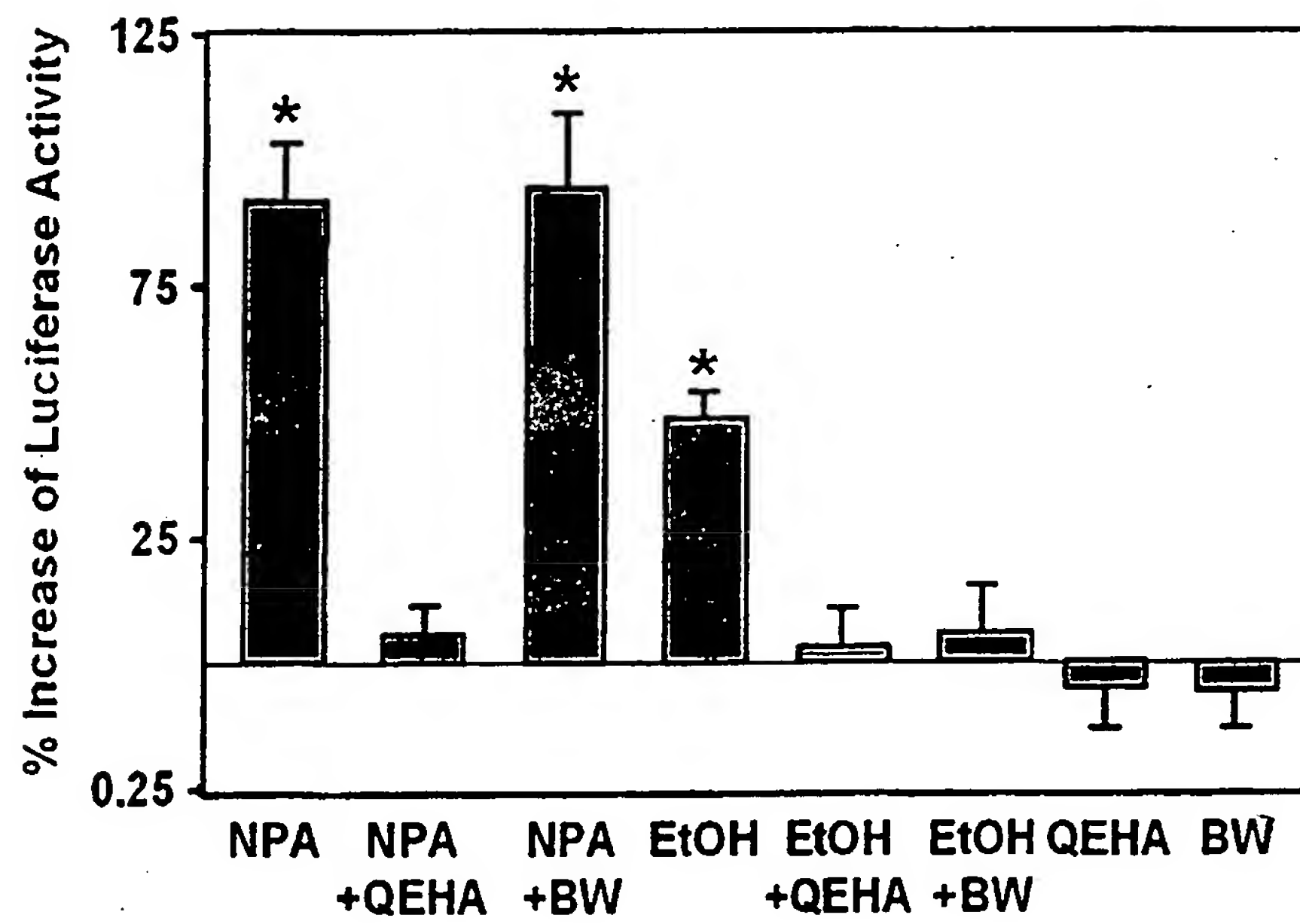
Fig. 21A

26/34**Fig. 21B**

27/34

*Fig. 22A**Fig. 22B*

28/34**Fig. 22C****Fig. 22D**

29/34**Fig. 22E****Fig. 22F**

30/34

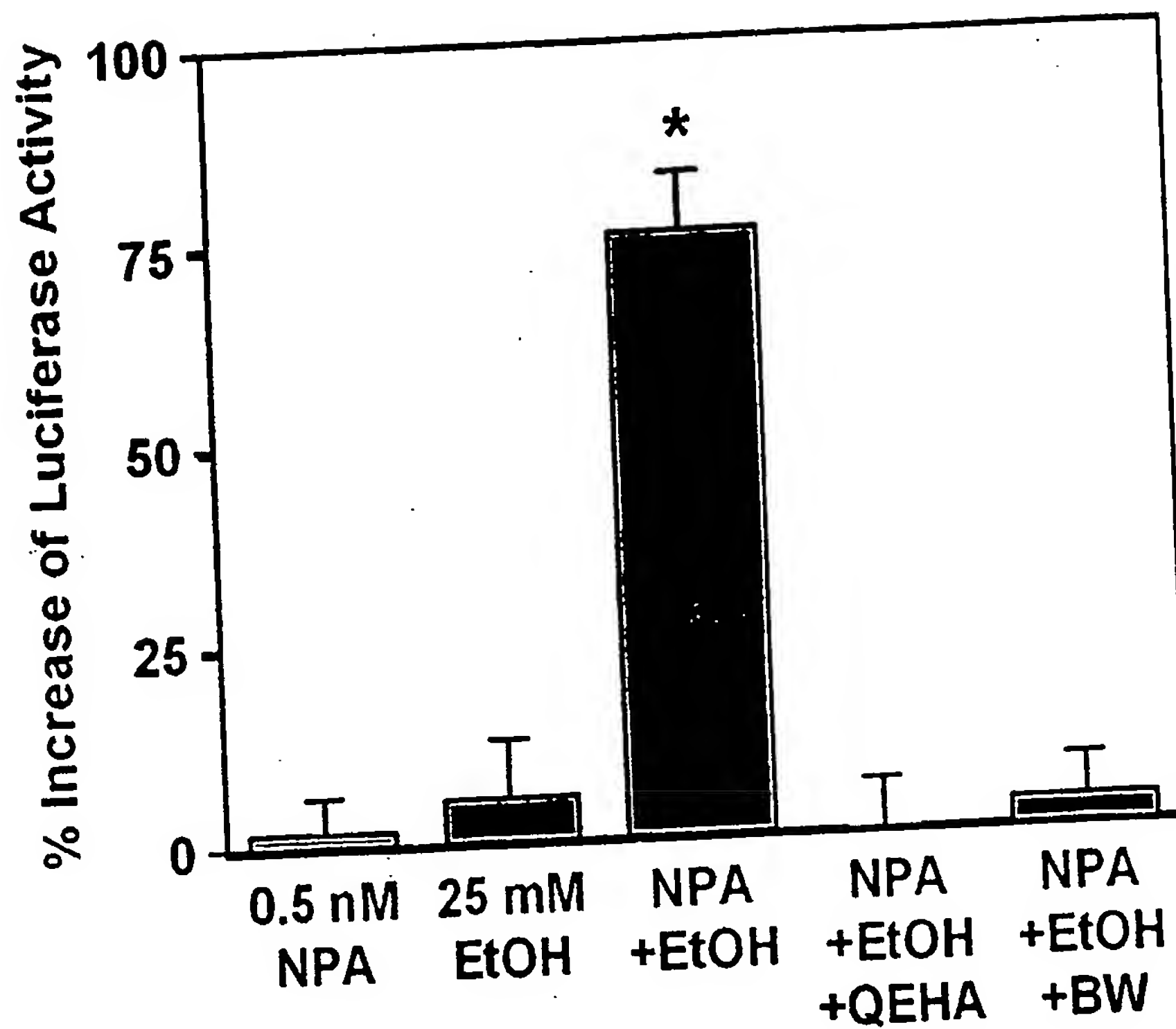
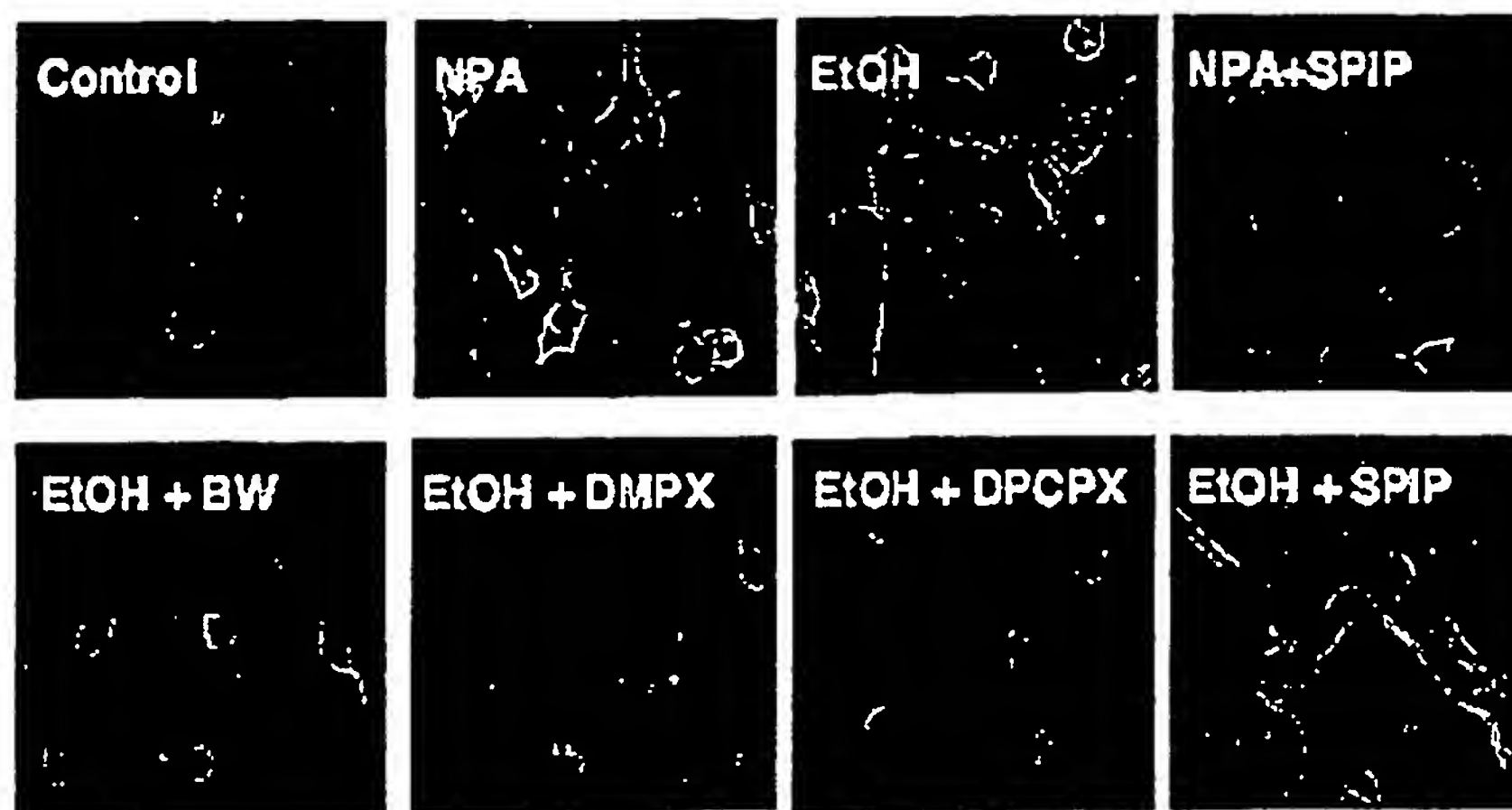
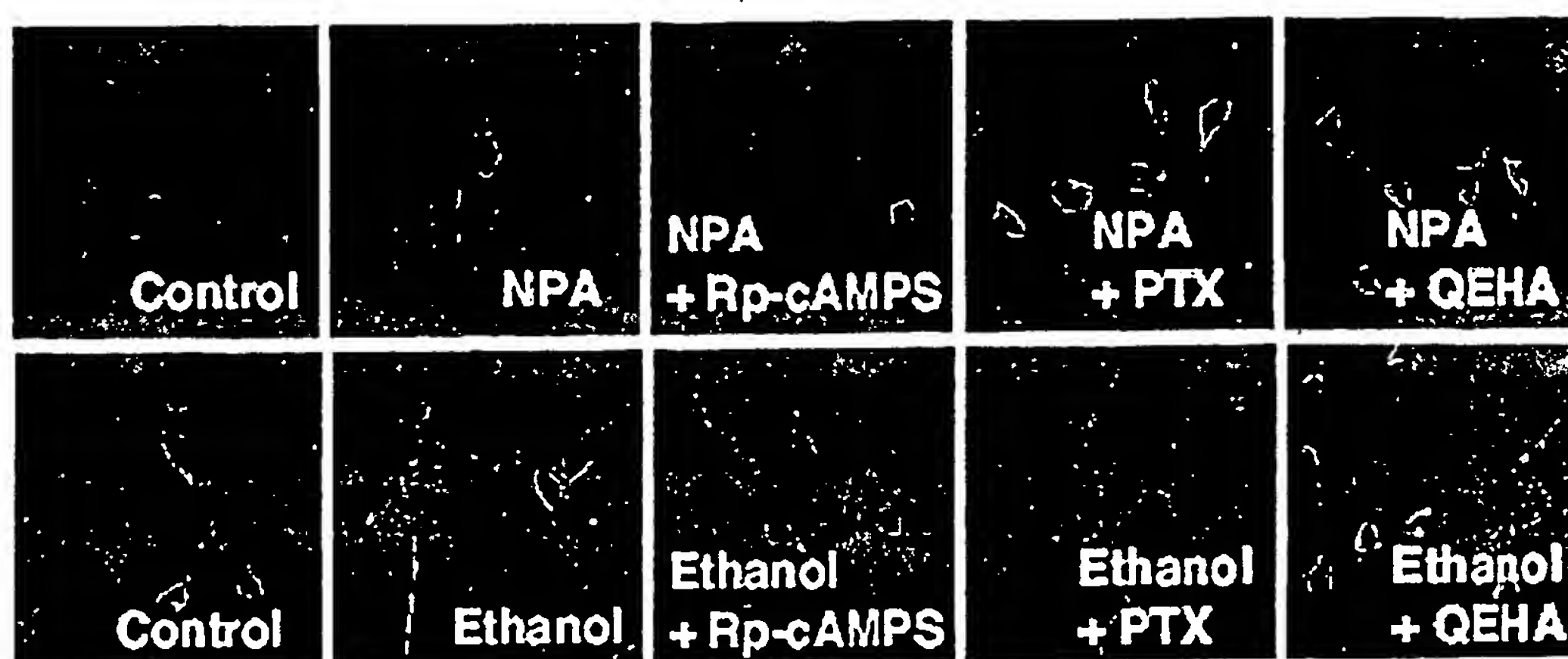


Fig. 22G

31/34**Fig. 23A****Fig. 23B**

32/34

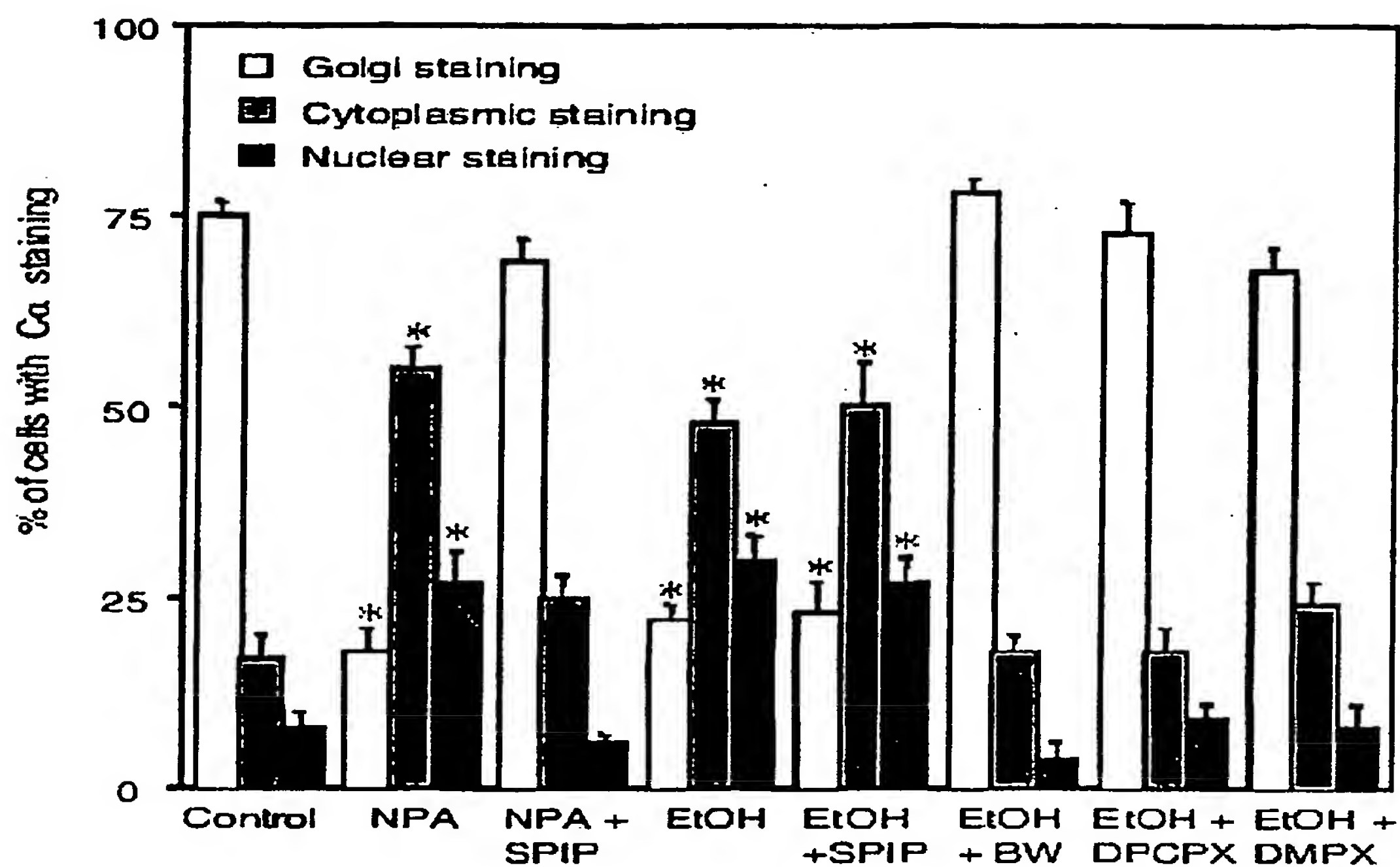


Fig. 23 C

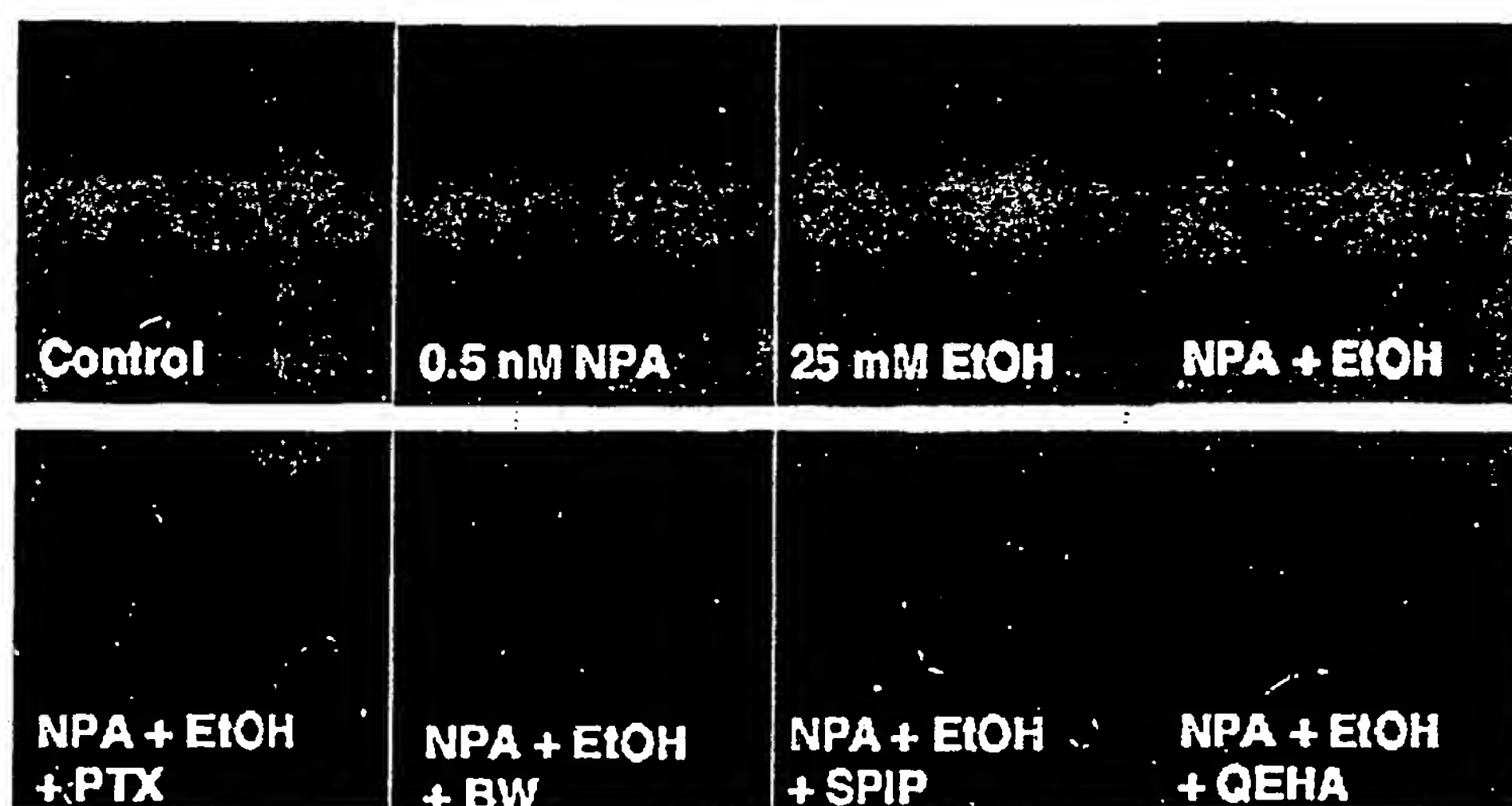
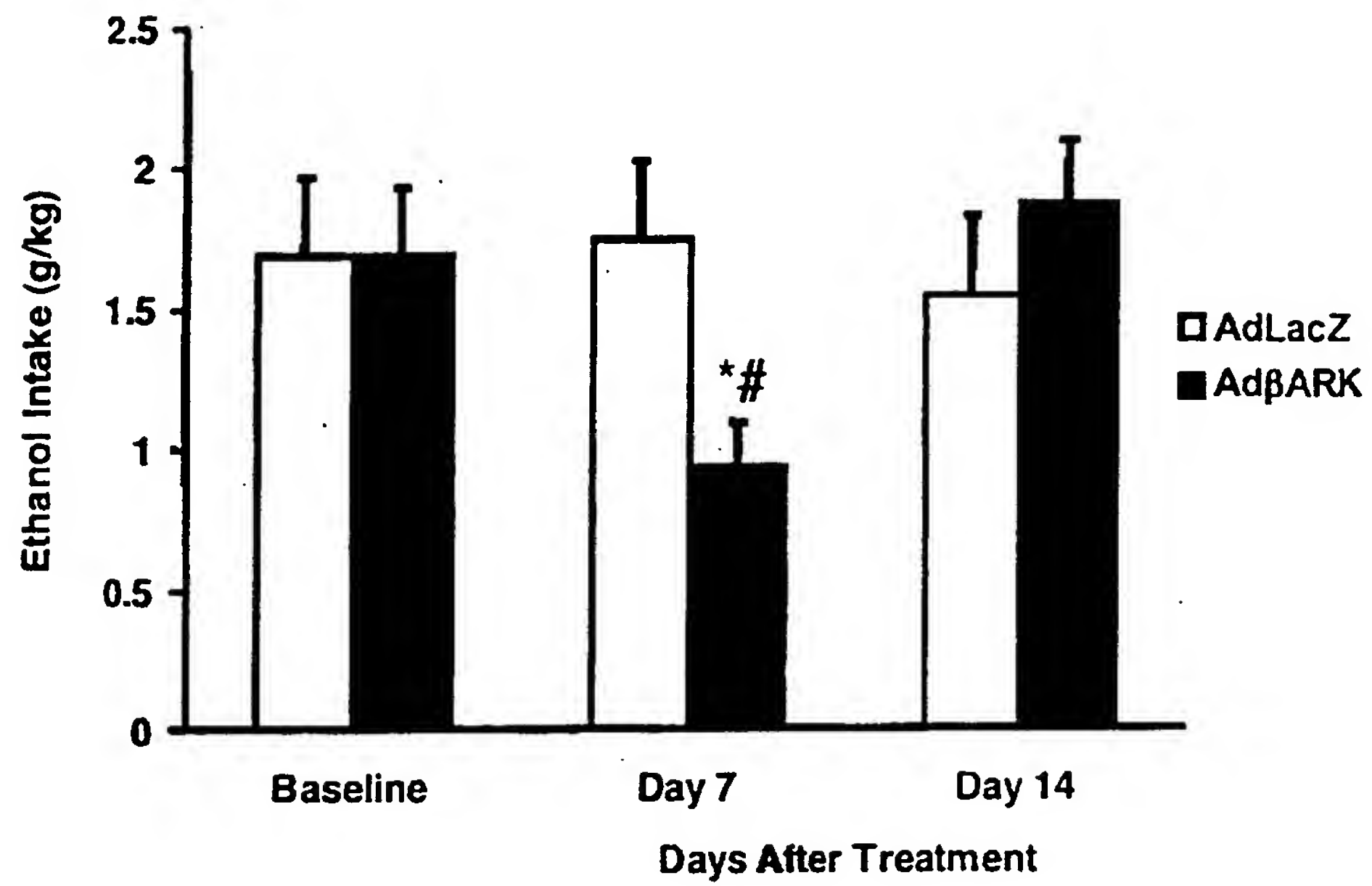
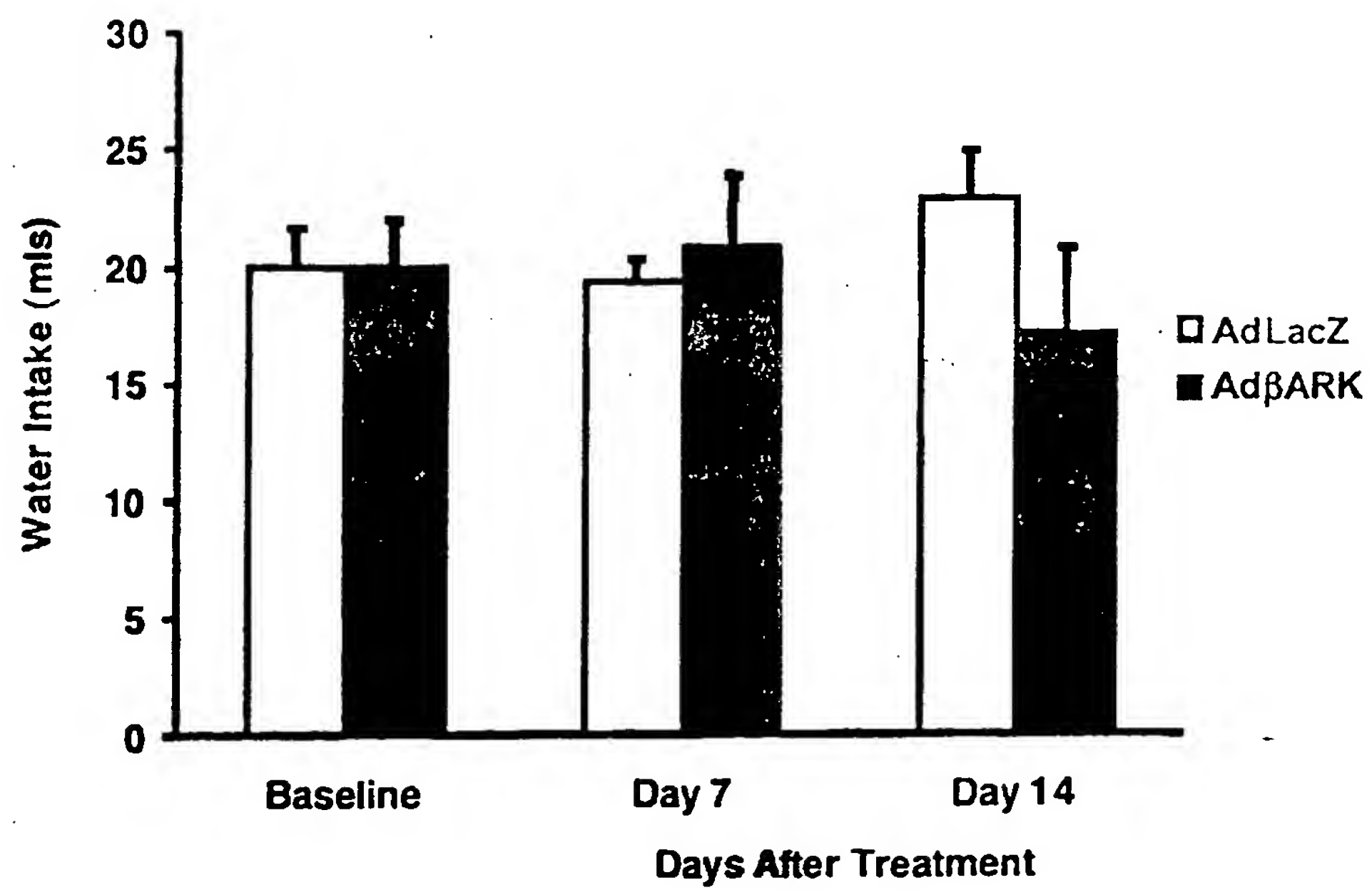


Fig. 23D

33/34**Fig. 24A****Fig. 24B**

34/34

Synergy of PKA Signaling

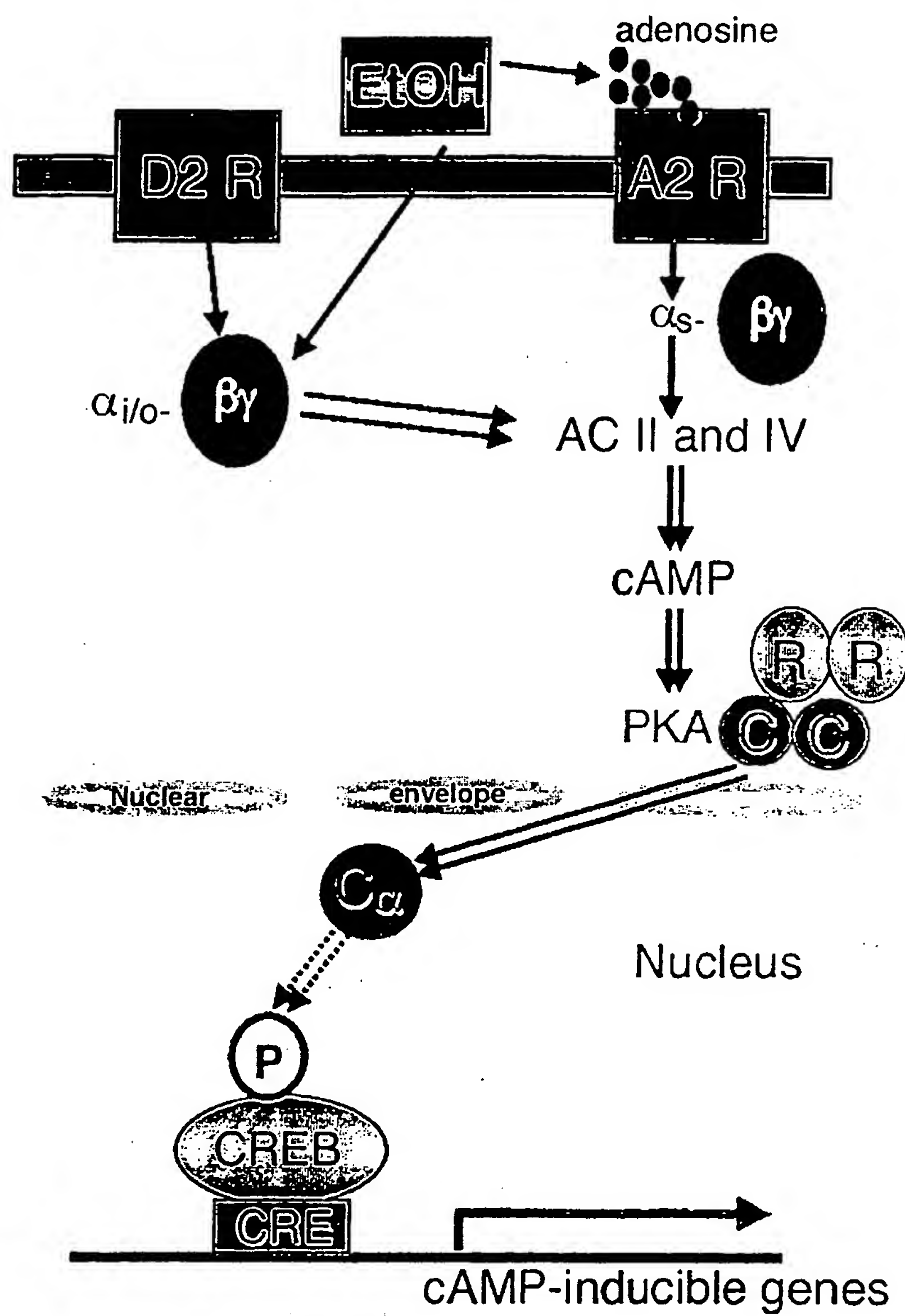


Fig. 25